

## Active Recombinant Human SELE Protein, His-tagged

Cat. No. SELE-05H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human E selectin (22-556aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 22-556 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | <p>The protein encoded by this gene is found in cytokine-stimulated endothelial cells and is thought to be responsible for the accumulation of blood leukocytes at sites of inflammation by mediating the adhesion of cells to the vascular lining. It exhibits structural features such as the presence of lectin- and EGF-like domains followed by short consensus repeat (SCR) domains that contain 6 conserved cysteine residues. These proteins are part of the selectin family of cell adhesion molecules. Adhesion molecules participate in the interaction between leukocytes and the endothelium and appear to be involved in the pathogenesis of atherosclerosis.</p> |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Bio-activity</b>     | Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When cells are added to human E-Selelin/CD62E coated plates 2 µg/mL. This effect is more to 40%.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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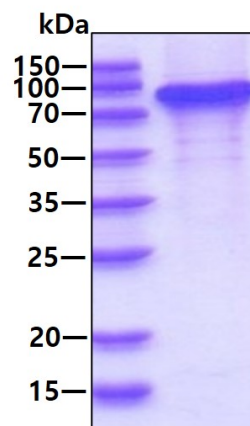
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Mass</b>   | 59.4kDa(541aa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | <p>WSYNTSTEAMTYDEASAYCQQRythlVAIQNKEEIEYLNSILSYSPSYWIGIRKVNN</p> <p>VWVWVGTQKPLTEEAKNWAPGEPNNRQKDEDCVEIYIKREKDVGMWNDERCSKK</p> <p>KLALCYTAACNTNTSCSGHGECVETINNYTCKCDPGFSGLKCEQIVNCTALESPEHGS</p> <p>LVCSHPLGNFSYNSSCSISCDRGYLPSSMETMQCMSSGEWSAPIACNVVECDAVT</p> <p>NPANGFVECFQNPGSFPWNTTCTFDCEEGFELMGAQSLQCTSSGNWDNEKPTCK</p> <p>AVTCRAVRQPQNGSVRCSHSPAGEFTFKSSCNFTCEEGLMLQGPAQVECTTQGG</p> <p>WTQQIPVCEAFQCTALSNPERGYMNCLPSASGSFRYGSSCEFSCEQGFVLKGSKR</p> <p>LQCGPTGEWDNEKPTCEAVRCDAVHQPPKGLVRCAHSPIGEFTYKSSCAFSCEEG</p> <p>FELHGSTQLECTSQGQWTEEVPSQVVKCSSLAVPGKINMSCSGEPVFGTVCKFA</p> <p>CPEGWTLNGSAARTCGATGHWSGLLPTCEAPTESNIP</p> |
| <b>Endotoxin</b>        | < 1 EU/μg of protein (determined by LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | > 95% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | SDS-PAGE, Bioactivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage</b>          | Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>    | 0.5 mg/mL (determined by Absorbance at 280nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Buffer</b>   | In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Gene Name</b>        | SELE selectin E [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Official Symbol</b>  | SELE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>       | SELE; selectin E; ELAM; ESEL; CD62E; ELAM1; LECAM2; E-selectin; CD62 antigen-like family member E; ELAM-1; endothelial adhesion molecule 1; endothelial leukocyte adhesion molecule 1; leukocyte endothelial cell adhesion molecule 2 |
| <b>Gene ID</b>        | <a href="#">6401</a>                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>    | <a href="#">NM_000450</a>                                                                                                                                                                                                             |
| <b>Protein Refseq</b> | <a href="#">NP_000441</a>                                                                                                                                                                                                             |
| <b>MIM</b>            | <a href="#">131210</a>                                                                                                                                                                                                                |
| <b>UniProt ID</b>     | <a href="#">P16581</a>                                                                                                                                                                                                                |

**SDS-PAGE**


3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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