

Recombinant Human SELE Protein, His-tagged

Cat. No. SELE-189H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SELE fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	Lyophilized from a 0.2 M filtered solution of PBS, 4% Mannitol, pH7.4
Molecular Mass	58.6kD
AA Sequence	WSYNTSTEAMTYDEASAYCQQRVTHLVAIQNKKEIEYLNLSILSYSPSYWIGIRKVNN VWWVGTQKPLTEEAKNWAPGEPNNRQKDEDCVEIYIKREKDVGMWNDERCSKK KLALCYTAACNTNTSCSGHGECVETINNYTCKCDPGFSGLKCEQIVNCTALESPEHGS LVCSHPLGNFSYNSSCSISCDRGYLPSSMETMQCMSSGEWSAPIPACNVVECDAVT NPANGFVECFQNPGSFPWNTTCTFDCEEGLFELMGAQSLQCTSSGNWDNEKPTCK

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AVTCRAVRQPQNGSVRCSHSPAGEFTFKSSCNFTCEEGLMLQGPAQVECTTQGG
 WTQQIPVCEAFQCTALSNPERGYMNCPLPSASGSFRYGSSCEFSCEQGFVLKGSKR
 LQCGPTGEWDNEKPTCEAVRCDVHQPPLGLVRCAHSPIGFTYKSSCAFSCEEGL
 FELHGSTQLECTSQGQWTEEVPSQVVKCSSLAVPGKINMSCSGEPVFGTVCKFA
 CPEGWTLNGSAARTCGATGHWSGLLPTCEAPTESNIPVDHHHHHH

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name SELE selectin E [Homo sapiens]

Official Symbol SELE

Synonyms SELE; selectin E; ELAM, ELAM1, endothelial adhesion molecule 1; E-selectin; CD62E; ESEL; ELAM-1; endothelial adhesion molecule 1; CD62 antigen-like family member E; endothelial leukocyte adhesion molecule 1; leukocyte endothelial cell adhesion molecule 2; leukocyte-endothelial cell adhesion molecule 2; ELAM; ELAM1; LECAM2;

Gene ID 6401

mRNA Refseq NM_000450

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Protein Refseq	NP_000441
MIM	131210
UniProt ID	P16581

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