

## Recombinant Human ESAM protein, His-tagged

Cat. No. ESAM-2241H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ESAM protein(Met 1-Ala 248)(NP_620411.2) precursor was expressed in HEK293, with a polyhistidine tag at the C-terminus.                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-248 aa                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | The recombinant human ESAM consists of 230 amino acids and predicts a molecular mass of 25.4 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rh ESAM is approximately 35-40 kDa due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                  |
| <b>Purity</b>           | > 97 % as determined by SDS-PAGE                                                                                                                                                                                                 |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                             |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

|                 |                                                                                                                                                                  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | ESAM endothelial cell adhesion molecule [ Homo sapiens ]                                                                                                         |
| Official Symbol | ESAM                                                                                                                                                             |
| Synonyms        | ESAM; endothelial cell adhesion molecule; endothelial cell-selective adhesion molecule; W117m; 2310008D05Rik; LP4791 protein; HUEL (C4orf1)-interacting protein; |
| Gene ID         | 90952                                                                                                                                                            |
| mRNA Refseq     | NM_138961                                                                                                                                                        |
| Protein Refseq  | NP_620411                                                                                                                                                        |
| MIM             | 614281                                                                                                                                                           |
| UniProt ID      | Q96AP7                                                                                                                                                           |

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