Recombinant Human ESAM protein

Cat. No. ESAM-701H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ESAM protein(NP_620411.2)(Met 1-Ala 248) with five amino acids (DDDDK) at the C-terminus was expressed and purified in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-248 aa
Form	Lyophilized from sterile 100mM NaCl, 50mM Tris, pH 7.5.
Molecular Mass	The recombinant human ESAM consists of 225 amino acids and predicts a molecular mass of 24.5 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rh ESAM is approximately 40-45 kDa due to the glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE
Storage	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.
Reconstitution	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.

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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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