

Recombinant Human ESM1 protein, His-tagged

Cat. No. ESM1-189H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ESM1 protein(NP_008967.1) (Met1-Arg184) was expressed in Insect Cells, with a C-terminal polyhistidine tag.
Species	Human
Source	Insect Cells
ProteinLength	1-184 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0.
Bio-activity	Measured by its ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When 8×10^4 cells/well are added to ESM1-His coated plates (10µg/mL, 100 µL/well), approximately 48% will adhere after 30 minutes at 37°C.
Molecular Mass	The secreted recombinant human ESM1 consists of 176 amino acids and predicts a molecular mass of 19.6 KDa. The apparent molecular mass of the protein is approximately 23-27 KDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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

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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.

GENE INFORMATION

Gene Name ESM1 endothelial cell-specific molecule 1 [Homo sapiens]

Official Symbol ESM1

Synonyms ESM1; endothelial cell-specific molecule 1; ESM-1; endocan;

Gene ID 11082

mRNA Refseq NM_001135604

Protein Refseq NP_001129076

MIM 601521

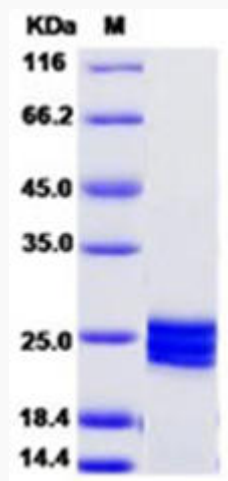
UniProt ID Q9NQ30

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SDS-PAGE



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