

Recombinant Human ESM1 protein, T7/His-tagged

Cat. No. ESM1-57H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ESM1 gene cDNA (19 - 184aa, Isoform-I, derived from BC011989) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	19-184 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGGQMGRGHHHHHGNLYFQGGEFWSNNYAVDCPQHCDSSSECKSSPR CERTVLDDCGCCRVCAAGRGETC YRTVSGMDGMKCGPLRCQPSNGEDPFGEE FGICKDCPYGTFGMDCRETCNCQSGICDRGTGKCLKFPFFQYSVT KSSNRFVSLTE HDMASGDGNIVREEVVKENAAGSPVMRKWLNPR
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro ESM1 mediated endothelial cell differentiation regulation study with this protein as either coating matrix protein or soluble factor.2. May be used as EMS1 protein-protein interaction assay.3. As enzymatic substrate for various proteases.4. Potential biomarker protein for cancer diagnosis, such as for human lung cancer and renal clear cell carcinoma. MSE1 may also be a potential parameter to

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monitor the tumor response to anti-angiogenic5. As antigen for specific antibody production.

Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

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

Chromosome Location 5q11

Function growth factor activity; insulin-like growth factor binding;

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