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	MASMTGGQQMGRGHHHHHHGNLYFQGGEFWSNNYAVDCPQHCDSSECKSSPR CERTVLDDCGCCRVCAAGRGETC YRTVSGMDGMKCGPGLRCQPSNGEDPFGEE 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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