

Recombinant Human ESM1, His-tagged

Cat. No. ESM1-7082H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ESM1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	20-184aa
Description	Endothelial cell-specific molecule 1, also known as ESM1, is a proteoglycan secreted by endothelial cells and its mRNA expression is regulated by inflammatory cytokines. ESM1 expression has also been detected in different epithelia and in adipocytes. The expression of endocan is upregulated by TNF alpha, IL1 beta, or lipopolysaccharide and downregulated by IFN gamma. Genetically engineered cells overexpressing endocan has been shown to induce tumor formation, suggesting that ESM1 may be involved in the pathophysiology of tumor growth in vivo.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea,10% glycerol
Molecular Mass	20.5 kDa (188aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSWSNNYAV DCPQHCDSSSE CKSSPRCKRT VLDDCGCCRV CAAGRGETCY RTVSGMDGMK CGPGLRCQPSNGEDPFGEEF GICKDCPYGT FGMDCRETCN CQSGICDRGT GKCLKFPFFQ YSVTKSSNRF VSLTEHDMAS GDGNIVREEV VKENAAGSPV MRKWLNP

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml
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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