

Recombinant Human ESM1 Protein, His-tagged

Cat. No. ESM1-456H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ESM1, transcript variant 1, fused with His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a secreted protein which is mainly expressed in the endothelial cells in human lung and kidney tissues. The expression of this gene is regulated by cytokines, suggesting that it may play a role in endothelium-dependent pathological disorders. The transcript contains multiple polyadenylation and mRNA instability signals. Two transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilized from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, pH 7.2
Molecular Mass	19.16kD
AA Sequence	WSNNYAVDCPQHCDSSSECKSSPRCERTVLDDCGCCRVCAAGRGETCYRTVSGMD GMKCGPGLRCQPSNGEDPFGEEFGICKDCPYGTFGMDCRETCNCQSGICDRGTG KCLKFPFFQYSVTKSSNRFVSLTEHDMASGDGNIVREEVVKENAAGSPVMRKWLN P RVDHHHHHHH
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).

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Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
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