

## Recombinant Human ESM1 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ESM1, transcript variant 1, fused with His tag at C-terminal was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, pH 7.2
<b>Molecular Mass</b>	19.16kD
<b>AA Sequence</b>	WSNNYAVDCPQHCDSSSECKSSPRCERTVLDDCGCCRVCAAGRGETCYRTVSGMD GMKCGPGLRCQPSNGEDPFGEFGICKDCPYGTFGMDCRETCNCQSGICDRGTG KCLKFPFFQYSVTKSSNRFVSLTEHDMASGDGNIVREEVVKENAAGSPVMRKWLNP RVDHHHHHHH
<b>Endotoxin</b>	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](#)

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