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Datasheet for ABIN1096567  
**ESM1 Protein (AA 20-184) (His tag)**

### Overview

Quantity:	50 µg
Target:	ESM1
Protein Characteristics:	AA 20-184
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ESM1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Endocan/ESM-1 (C-6His)
Sequence:	WSNNYAVDCP QHCDSSECKS SPRCERTVLD DCGCCRCAA GRGETCYRTV SGMDGMKCGP GLRCQPSNGE DPFGEFEGIC KDCPYGTFGM DCRETCNCQS GICDRGTGKC LKFPFFQYSV TKSSNRFVSL TEHDMASGDG NIVREEVKE NAAGSPVMRK WLNPRVDHHH HHH
Characteristics:	Recombinant Human Endothelial Cell-Specific Molecule 1/ESM-1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (W20-R184) of Human ESM1 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

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Target:	ESM1
Alternative Name:	endocan ( <a href="#">ESM1 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>ESM-1, short from Endothelial cell-specific molecule 1, is expressed in lung, on the vascular capillary network within alveolar walls, and also at lower level in kidney. It is a secretory protein, and can be induced by TNF and IL1B/interleukin-1beta, but not IL4/interleukin-4. This protein plays great roles in angiogenesis, sprouting, and may have potent implications in lung endothelial cell-leukocyte interactions.</p> <p>Alternative Names: Endothelial Cell-Specific Molecule 1, ESM-1, ESM1</p>
Molecular Weight:	19.16 kDa
UniProt:	<a href="#">Q9NQ30</a>
Pathways:	<a href="#">Growth Factor Binding</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at &lt; -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>
Expiry Date:	3 months