

Datasheet for ABIN7320695

ESM1 Protein (His tag)**1** Image[Go to Product page](#)

Overview

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

Product Details

Purpose:	Recombinant Mouse ESM1/Endocan Protein (Human Cells, His Tag)
Sequence:	Trp20-Arg184
Characteristics:	Recombinant Mouse Endothelial cell-specific molecule 1 is produced by our Mammalian expression system and the target gene encoding Trp20-Arg184 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ESM1
Alternative Name:	ESM1/Endocan (ESM1 Products)
Background:	Background: Endothelial cell-specific molecule-1 (ESM-1)-so-called endocan-is a novel endothelium derived soluble dermatan sulfate proteoglycan (PG) that is constitutively

Target Details

expressed by endothelial cells in lungs and kidneys and can be detected in human blood. It is encoded by the ESM1 gene. The expression of this gene is regulated by several cytokines and growth factors, such as vascular endothelial growth factor. Inflammatory cytokines, such as interleukin (IL)-1 β and tumor necrosis factor (TNF)- α , stimulate the upregulation of endocan mRNA and the secretion of endocan from endothelial cells. The binding of circulating endocan to leukocyte ligand for ICAM-1-Lymphocyte Function-associated Antigen-1 (LFA-1) and to leukocyte ligand for VCAM-1-Very Late Antigen-4 (VLA-4) is important in leukocyte adhesion and interaction with activated endothelium. Endocan is a key player in the regulation of major processes such as cell adhesion in inflammatory disorders and tumor progression.

Synonym: Endothelial cell-specific molecule 1, ESM-1, Esm1, Endocan

Molecular Weight: 19.0 kDa

UniProt: [Q9QYY7](#)

Pathways: [Growth Factor Binding](#)

Application Details

Restrictions: For Research Use only

Handling

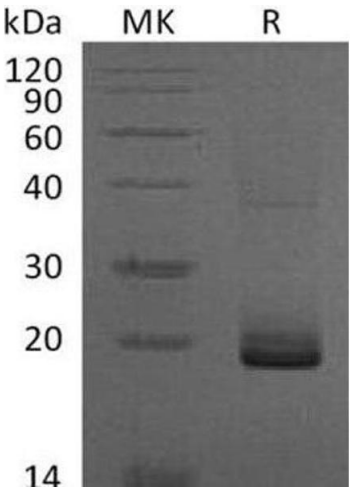
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.