

ESM-1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70927
Synonyms:	Endothelial cell-specific molecule 1; ESM-1; Esm1; Endocan
Species:	Mouse
Source:	HEK293
Accession:	Q9QYY7 (W20-R184)
Gene ID:	71690
Molecular Weight:	Approximately 19.0 kDa

PROPERTIES

AA Sequence	<p> W S A K Y A V D C P E H C D K T E C R S S L R C K R T V L D D C G C C Q V C A A G P G E T C Y R T V S G M D G V K C G P G L K C H F Y S E E D D F G D E F G I C K D C P Y G T F G M E C K E T C N C Q S G I C D R V T G R C L D F P F F Q Y A A A K S P S R T S A S H T E R D S A S G D G N A V R E E I G E G N A A R P S V M K W L N P R </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	ESM-1 (Endocan) plays a crucial role in angiogenesis, promoting the sprouting of new blood vessels. It is implicated in lung endothelial cell-leukocyte interactions, suggesting its potential significance in regulating immune responses within the pulmonary vasculature.
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Caution: Product has not been fully validated for medical applications. For research use only.

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