9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ESM1 Human, HEK

Endothelial Cell-Specific Molecule 1 Human Recombinant, HEK
RCP0781

Product Overview

Name	ESM1 Human, HEK

Description

Endothelial Cell-Specific Molecule 1 Human Recombinant, HEK

Accession (Primary)	Q9NQ30

Synonyms

Endothelial cell-specific molecule 1, ESM-1, ESM1, endocan.

Introduction

Endothelial cell-specific molecule 1 (ESM1) is a proteoglycan secreted by endothelial cells (mostly in the human lung and kidney tissues) and its mRNA expression is regulated by inflammatory cytokines. ESM1 has potent implications in lung endothelial cell-leukocyte interactions. In addition, ESM1 expression is detected in various epithelia and in adipocytes. ESM1 is involved in angiogenesis and it also promotes angiogenic sprouting. ESM1 expression is upregulated by TNF alpha, IL1 beta, or lipopolysaccharide and downregulated by IFN gamma. Genetically engineered cells overexpressing ESM1 induce tumor formation, implying that ESM1 might be involved in the pathophysiology of tumor growth in vivo.

Source

HEK293 cells.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

ESM1 filtered (0.4 µm) and lyophilized from 0.5mg/ml in phosphate buffered saline.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

WSNNYAVDCP QHCDSSECKS SPRCKRTVLD DCGCCRVCAA GRGETCYRTV SGMDGMKCGP GLRCQPSNGE

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

DPFGEEFGIC KDCPYGTFGM DCRETCNCQS GICDRGTGKC LKFPFFQYSV TKSSNRFVSL TEHDMASGDG NIVREEVVKE NAAGSPVMRK WLNPR HHHHH HHHHH.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. ESM1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

ESM1 Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NQ30)