

Endothelial Cell-Specific Molecule 1 Human HEK293

Product Data Sheet

Type: Recombinant

Source: HEK293

Species: Human

Other names: ESM-1, Endocan

Cat. No.:

RD172480100

(0.1 mg)

Description

Total 175 AA. MW: 19.5 kDa (calculated). UniProtKB acc. No. Q9NQ30

(Trp20-Arg184). C-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

WSNNYAVDCP QHCDSECKS SPRCKRTVLD DCGCCRVCAA GRGETCYRTV SGMDGMKCGP GLRCQPSNGE DPFGEFEGIC
KDCPYGTFGM DCRETCNCQS GICDRGTGKC LKFPFFQYSV TKSSNRFVSL TEHDMASGDG NIVREEVVKE NAAGSPVMRK WLNPR
HHHHH HHHHH

Source

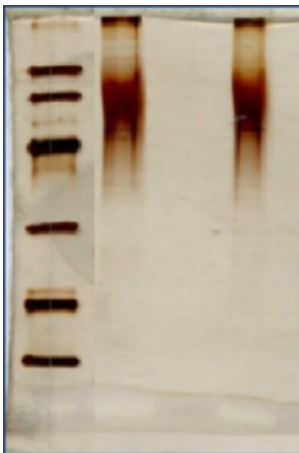
HEK293

Purity

Purity as determined by densitometric image analysis: > 95 %

SDS-PAGE gel

Silver staining, protein does not bind coomassie brilliant blue.



12 % SDS-PAGE separation of Human Endocan (HEK):

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa

2. Reduced and boiled sample, 2.5 µg/lane

3. Non-reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/µg

Formulation

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

Reconstitution

Add 200 µl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

At temperature 2 - 8 °C. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

Quality Control Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

Cell culture and/or animal studies, ELISA, Western blotting

Note

This product is intended for research use only.

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