

PRODUCT DATASHEET

Endocan Human HEK293

Cat. No.: RD172480100

Type: Recombinant protein

Size: 0.1 mg

Source: HEK293

Species: Human

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.

Other names

ESM-1, Endothelial Cell-Specific Molecule 1

Introduction to the molecule

Research topic

Animal studies, Atherosclerosis, Cardiovascular disease, Oncology, Reproduction, Sepsis

Amino Acid sequence

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

Purity

Purity as determined by densitometric image analysis: > 95 %

Endotoxin

< 0.1 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline pH 7.4

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 ambient temperature. 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

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

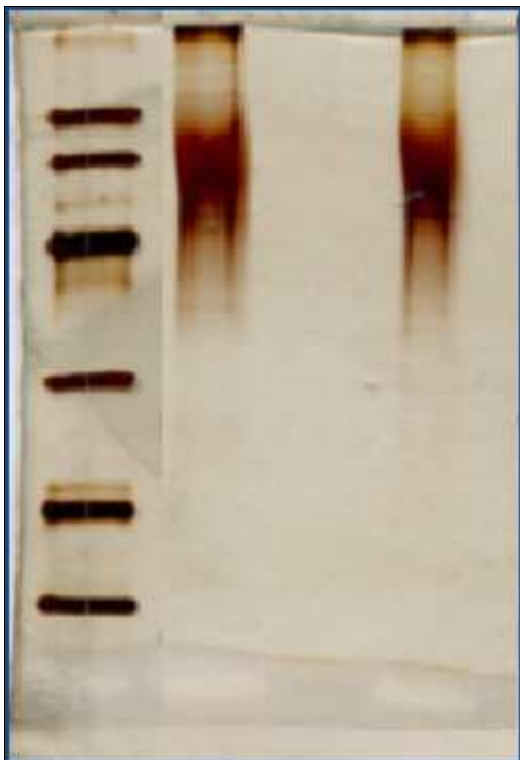
LAL to determine quantity of endotoxin.

Applications

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

Note

This product is intended for research use only.



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