Cadherin-1 Human HEK293

Product Data Sheet

Type: Recombinant
Source: HEK293
Species: Human
Other names: CDH1; CAM 120/80; Epithelial cadherin; E-cadherin; Uvomorulin; CD_antigen; CD324; Arc-1; CAD1; Cell-CAM120/80; ECAD; L-CAM; Cadherin 1, Type 1, E-Cadherin (Epithelial); UVO; CDHE; Calcium-Dependent Adhesion Protein, Epithelial

Cat. No.:
RD172418100 (0.1 mg)

Description

Total 570 AA. MW: 62.6 kDa (calculated). UniProtKB acc. No. P12830 (Arg150-Leu705). N-terminal linker (2 extra AA), C-terminal linker (2 AA) and C-terminal His-tag (10 AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

ASRRQKRDWV IPPISCPENE KGPFPKNLVQ IKSNKDKEGK VFYSITGQGA DTPPVGVFII ERETGWLKVT EPLDRERIAT
YTLFSHAVSS NGNAVEDPME ILITVTDQND NKPEFTQEVF KGSVMEGALP GTSVMEVTAT DADDDVNTYN AAIAYTILSQ
DPELPDKNMF TINRNTGVIS VVTTGLDRES FPTYTLVVQA ADLQGEGLST TATAVITVTD TNDNPPIFNP TTYKGQVPEN
EANVVITTLK VTDADAPNTP AWEAVYTILN DDGGQFVVTT NPVNNDGILK TAKGLDFEAK QQYILHVAVT NVVPFEVSLT
TSTATVTVDV LDVNEAPIFV PPEKRVEVSE DFGVGQEITS YTAQEPDTFM EQKITYRIWR DTANWLEINP DTGAISTRAE
LDREDFEHVK NSTYTALIIA TDNGSPVATG TGTLLLILSD VNDNAPIPEP RTIFFCERNP KPQVINIIDA DLPPNTSPFT
AELTHGASAN WTIQYNDPTQ ESIILKPKMA LEVGDYKINL KLMDNQNKDQ VTTLEVSVCD CEGAAGVCRK AQPVEAGL**KL**
HHHHHHHHHH

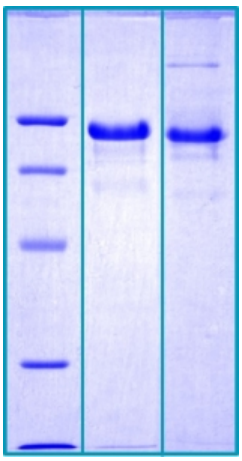
Source

HEK293

Purity

Purity as determined by densitometric image analysis: > 95%

SDS-PAGE gel



10 % SDS-PAGE separation of Human Cadherin-1 (HEK):
1. M.W. marker - 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

< 0.1 EU/µg

Formulation

Filtered (0.4 µm) and lyophilized in phosphate buffered saline + 5%(w/v) trehalose.

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 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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