CD5 Antigen-Like Human HEK293

Product Data Sheet

Type: Recombinant
Source: HEK293
Species: Human
Other names: Apoptosis inhibitor expressed by macrophages, CT-2, IgM-associated peptide, SP-alpha, CD5L, API6, UNQ203/PRO229, AIM

Cat. No.:
RD172328100-HEK (0.1 mg)

Description

Total 334 AA. MW: 36.9 kDa (calculated). UniProtKB acc. No. O43866 (Ser20-Gly347). C-terminal His-tag (6 extra AA). Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

CD5 antigen-like takes part in regulation of the imune system. It acts as an inhibitor of apoptosis. It is expressed in spleen, lymph node, thymus and bone marrow.

Amino Acid Sequence

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SPSGVRLVGG LHRCEGRVEV EQKGQWGTVC DDGWDIKDVA VLCRELGCGA ASGTPSGILY EPPAEKEQKV LIQSVSCTGT
EDTLAQCEQE EVYDCSHDED AGASCENPES SFSPVPEGVR LADGPGHCKG RVEVKHQNQW YTVCQTGWSL RAAKVVCRQL
GCGRAVLTQK RCNKHAYGRK PIWLSQMSCS GREATLQDCP SGPWGKNTCN HDEDTWVECE DPFDLRLVGG DNLCSGRLEV
LHKGVWGSVC DDNWGEKEDQ VVCKQLGCGK SLSPSFRDRK CYGPGVGRIW LDNVRCSGEE QSLEQCQHRF WGFHDCTHQE
DVAVICSGHH HHHH
```

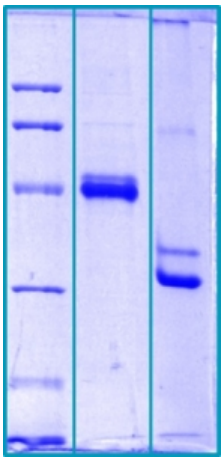
Source

HEK293

Purity

Purity as determined by densitometric image analysis: > 95 %

SDS-PAGE gel



14 % SDS-PAGE separation of Human CD5 antigen-like HEK293:

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 in phosphate buffered saline pH 7.5.

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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