CD5 Antigen-Like Human E. coli

Product Data Sheet

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

Cat. No.:
RD172328100 (0.1 mg)

Description

Total 337 AA. MW: 37.2 kDa (calculated). UniProtKB acc.no. O43866 (Ser20-Gly347). N-terminal His-tag (9 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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MKHHHHHHAS PSGVRLVGGL HRCEGRVEVE QKGQWGTVCD DGWDIKDVAV LCRELGCGAA SGTPSGILYE PPAEKEQKVL
IQSVSCTGTE DTLAQCEQEE VYDCSHDEDA GASCENPESS FSPVPEGVRL ADGPGHCKGR VEVKHQNQWY TVCQTGWSLR
AAKVVCRQLG CGRAVLTQKR CNKHAYGRKP IWLSQMSCSG REATLQDCPS GPWGKNTCNH DEDTWVECED PFDLRLVGGD
NLCSGRLEVL HKGVWGSVCD DNWGEKEDQV VCKQLGCGKS LSPSFRDRKC YGPGVGRIWL DNVRCSGEEQ SLEQCQHRFW
GFHDCTHQED VAVICSG
```

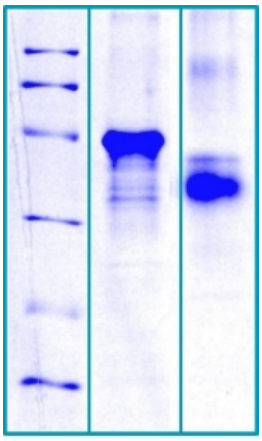
Source

E. coli

Purity

Purity as determined by densitometric image analysis: >95%

SDS-PAGE gel



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

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/ug

Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/mL solution in 50 mM Tris buffer, pH 8.6

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

ELISA, Western blotting

Note

This product is intended for research use only.

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