

FAM3A Human E. coli

Product Data Sheet

Type: Recombinant

Source: E. coli

Species: Human

Other names: Cytokine-like protein 2-19

Cat. No.:

RD172301100

(0.1 mg)

Description

Total 207 AA. MW: 23.1 kDa (calculated). N-Terminal His-tag (10 extra AA). UniprotKB acc.no. P98173. Protein identity confirmed by LC-MS/MS. Identification of recombinant FAM3A by LC-MS/MS.

Introduction to the Molecule

Function of the FAM3A protein is unclear up to now. It belongs to the FAM3 family along with FAM3B (Pander) protein which induces apoptosis of pancreatic alpha and beta cells. FAM3A protein is expressed in almost all tissues.

Research topic

Others

Amino Acid Sequence

MKHHHHHSHAS FPRIQQLFTS PESSVTAAPR ARKYKCGLPQ PCPEEHLAFR VVSGAANVIG PKICLEDKML MSSVKDNVGR
GLNIALVNGV SGELEEARAF DMWAGDVNDL LKFIRPLHEG TLVVFVASYDD PATKMNEETR KLFSELGSRN AKELAFRDSW
VFVGAQGVQN KSPFEQHVKN SKHSNKYEGW PEALEMEGCI PRRSTAS

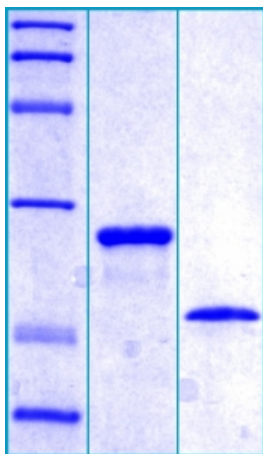
Source

E. coli

Purity

Purity as determined by densitometric image analysis: > 95%

SDS-PAGE gel



12% SDS-PAGE separation of Human FAM3A:

1. M.W. marker - 97, 66, 45, 31, 21, 14 kDa
2. reduced and boiled sample, 2.5µg / lane
3. non-reduced and non-boiled sample, 2.5µg / lane

Endotoxin

< 1.0 EU/µg

Formulation

Filtered (0.4 µm) and lyophilized in 0.5 mg/mL in 100mM TRIS pH 7.5 containing 0.1M arginine.

Reconstitution

Add 200µl of deionized water to prepare a working stock solution of 0.5 mg/mL and let the lyophilized pellet dissolve completely.

Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the 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 3 days.

Quality Control Test

Bradford protein assay 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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