FAM3C Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Interleukin-like EMT inducer, FAM3CILEI, GS3786

Cat. No.:
RD172302100 (0.1 mg)

Description

Total 213 AA. MW: 23.4 kDa (calculated). N-Terminal His-tag (10 extra AA). UniprotKB acc.no. Q92520. Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

FAM3C is a cytokine protein. It is involved in retinal laminar formation. It promotes epithelial to mesenchymal transition. FAM3C is overexpressed and mislocalized in multiple human tumors.

Research topic

Others

Amino Acid Sequence

MKHHHHHHAS QVFEIKMDAS LGNLFARSAL DTAARSTKPP RYKCGISKAC PEKHFAFKMA SGAANVVGPK ICLEDNVLMS GVKNNVGRGI NVALANGKTG EVLDTKYFDM WGGDVAPFIE FLKAIQDGTI VLMGTYDDGA TKLNDEARRL IADLGSTSIT NLGFRDNWVF CGGKGIKTKS PFEQHIKNNK DTNKYEGWPE VVEMEGCIPQ KQD

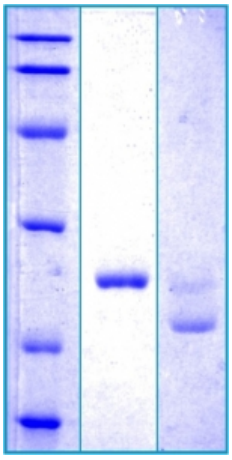
Source

E. coli

Purity

Purity was determined by densitometric image analysis: > 95%

SDS-PAGE gel



12% SDS-PAGE separation of Human FAM3C:

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 20mM TRIS, 50mM NaCl, pH 7.0 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 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 endotoxine level.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.

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