Recombinant Human FAM3B/PANDER Protein

Catalog No.: RP02181

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Sequence Information

Species
Human

Gene ID
54097

Swiss Prot
P58499

Tags
C-Fc

Synonyms
FAM3B,2-21,C21orf11,C21orf76, ORF9,PANDER,PRED44

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
50 kDa

Observed MW
50-65 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

FAM3B, also known as Pancreatic-derived factor (PANDER), is an islet-specific secreted cytokine specifically expressed at high levels in the islets of Langerhans of the endocrine pancreas. FAM3B can induce apoptosis of alpha and beta cells in a dose- and time-dependent manner. Previous studies showed that FAM3B regulates glucose and lipid metabolism through interaction with liver and endocrine pancreas. FAM3B silencing activates both extrinsic and intrinsic apoptotic pathways. In general, silencing FAM3B promoted p53 phosphorylation and induced p53 accumulation by decreasing Mdm2 expression, which resulted in apoptotic cell death.

Basic Information

Description
Recombinant Human FAM3B/PANDER Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Glu30-Ser235) of human FAM3B (Accession #P58499) fused with an Fc tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

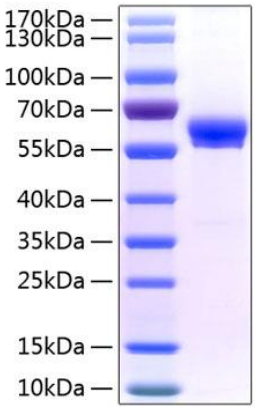
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human FAM3B/PANDER Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.