Product Name: Recombinant Human FAM3B (C-Fc)
Catalog #: PHH2072

Summary

Name	FAM3B/C21orf11/ORF9
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Protein FAM3B is produced by our Mammalian expression system and the target gene encoding Glu30-Ser235 is expressed with a human IgG1 Fc tag at the C-terminus.
Accession #	P58499
Host	Human Cells
Species	Human
Predicted Molecular Mass	50 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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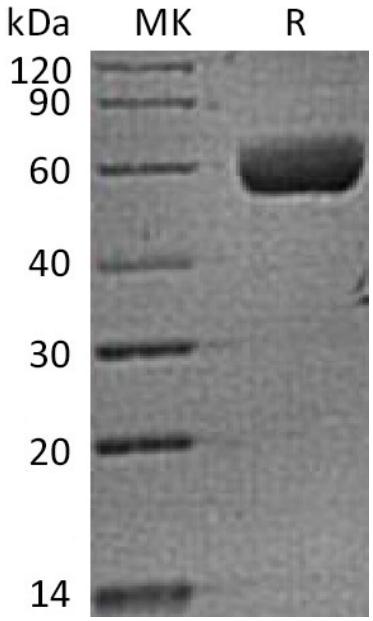

Alternative Names

C21orf11; Cytokine-like protein 2-21; D21M16SJHU19e; FAM3B; family with sequence similarity 3, member B; ORF9; pancreatic derived factor; Pancreatic-derived factor; PANDER; PRED44

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.

Note

For Research Use Only , Not for Diagnostic Use.