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FAM3A Human

Family with Sequence Similarity 3, Member A Human Recombinant
RCP0826

Product Overview

Name	FAM3A Human

Description

Family with Sequence Similarity 3, Member A Human Recombinant

Accession (Primary)	P98173

Synonyms

Protein FAM3A, Cytokine-like protein 2-19, FAM3A, 2-19, 2.19, DLD, XAP-7, DXS560S.

Introduction

Family with Sequence Similarity 3, Member A (FAM3A) is a member of the FAM3 family along with FAM3B (Pander) protein which induces apoptosis of pancreatic alpha and beta cells. FAM3A is a cytokine-like protein, which is expressed in almost all tissues such as the testis, pancreas, adrenal, placenta, brain, fetal brain, liver, kidney, skeletal muscle and the heart. FAM3A gene expression may be regulated by peroxisome proliferator-activated receptor gamma, and the FAM3A protein might be involved in the regulation of glucose and lipid metabolism. Although the function of the FAM3A protein has been unclear until now, it may act as a defensin against invading fungal microorganisms.

Source

Escherichia Coli.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

FAM3A filtered (0.4 µm) and lyophilized from 0.5mg/ml in 20mM TRIS and 50mM NaCl, pH 7.5.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MKHHHHHHAS FPRIQQLFTS PESSVTAAPR ARKYKCGLPQ PCPEEHLAFR VVSGAANVIG PKICLEDKML

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MSSVKDNVGR GLNIALVNGV SGELIEARAF DMWAGDVNDL LKFIRPLHEG TLVFVASYDD PATKMNEETR KLFSELGSRN AKELAFRDSW VFVGAKGVQN KSPFEQHVKN SKHSNKYEGW PEALEMEGCI PRRSTAS.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. FAM3A is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

FAM3A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P98173)