

32-3805: FAM3A Recombinant Protein

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

Description

Source : Escherichia Coli. FAM3A Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 207 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 23.1kDa (calculated). 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	FAM3A filtered (0.4µm) and lyophilized from 0.5mg/ml in 20mM TRIS and 50mM NaCl, pH 7.5.
Storage condition :	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.
Amino Acid :	MKHHHHHHASFPRIQQLFTS PESSVTAAPR ARKYKGLPQ PCPEEHLAFR VVSGAANVIG PKICLEDKML MSSVKDNVGR GLNIALVNGV SGELIEARAF DMWAGDVNDL LKFIRPLHEG TLVVFASYDD PATKMNEETR KLFSELGSRN AKELAFRDSW VFVGAQGVQN KSPFEQHVKN SKHSNKYEGW PEALEMEGCI PRRSTAS.

Application Note

It is recommended to add 200µl 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.

