

Recombinant human FAM49B protein

Catalog Number: ATGP2033

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-324aa

UniProt No.

Q9NUQ9

NCBI Accession No.

NP_057707

Alternative Names

Protein FAM49B, Protein FAM49B, BM-009, L1

PRODUCT SPECIFICATION

Molecular Weight

39.1 kDa (347aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

FAM49B has been provisionally designated FAM49B pending further characterization. In a recent genome-wide transcriptional analysis, It identified a gene signature for multiple sclerosis (MS), which reverted back to normal during pregnancy. Reversion was particularly evident for 7 genes: SOCS2, TNFAIP3, NR4A2, CXCR4, POLR2J, FAM49B, and STAG3L1, most of which encode negative regulators of inflammation. Recombinant human FAM49B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MGNLLKV LTCTDLEQGP NFFLDFENAO PTESEKEIYN QVNVVLKDAE
GILEDLQSYR GAGHEIREAI QHPADEKLQE KAWGAVVPLV GKLKKFYEFQ QRLEAALRGL LGALTSTPYS PTQHLEREQA
LAKQFAEILH FTLRFDELKM TNPAIQNDFS YYRRTL SRMR INNVP AEGEN EVNNELANRM SLFYAEATPM LKTLSDATTK
FVSENKNLPI ENTTDCLSTM ASVCRVMLET PEYRSRFTNE ETVSFCLRVM VGVIIYDHSV HPVGAFKTS KIDMKGCIV
LKDQPPNSVE GLLNALRYTT KHLNDETTSK QIKSMLQ

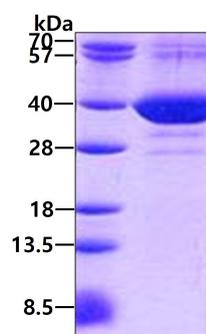
General References

Francesca Gilli. et al. (2011) Arch Neurol. 68:879-888

Niranjana A Nagarajan. et al. (2012) Nature Immunology. 13:579-586.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.