

# Recombinant human FAM49B protein

Catalog Number: ATGP2033

## PRODUCT INFORMATION

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### 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

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### 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

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### 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 MGSMGNLLKV LTCTDLEQGP NFFLDFENAQ PTESEKEIYN QVNVVLKDAE GILEDLQSYR  
GAGHEIREAI QHPADEKLQE KAWGAVVPLV GKLKKFYEFQ QRLEAALRGL LGALTSTPYS PTQHLEREQA LAKQFAEILH  
FTLRFDELKM TNPAIQNDFS YRRTLRSRMR INNVPAEGEN EVNNELANRM SLFYAEATPM LKTLSDATTK FVSENKNLPI  
ENTTDCLSTM ASVCRVMLET PEYRSRFTNE ETVSFCLRVM VGVIIYDHF HPVGAFKTS KIDMKGCIKV LKDQPPNSVE  
GLLNALRYTT KHLNDETTSK QIKSMLQ

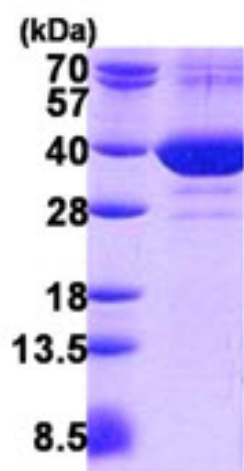
## General References

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

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

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)