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AR50857PU-S Human FAM49B (1-324, His-tag) - Purified

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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.

 Uniprot ID:
 O9NUO9

 NCBI:
 NP 057707

GeneID: 51571
Species: Human
Source: E. coli

Format: State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl, 1mM

DTT

Description: Recombinant human FAM49B protein, fused to His-tag at N-terminus, was expressed

in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMGNLLKV LTCTDLEQGP NFFLDFENAQ PTESEKEIYN QVNVVLKDAE GILEDLQSYR GAGHEIREAI QHPADEKLQE KAWGAVVPLV GKLKKFYEFS QRLEAALRGL LGALTSTPYS PTQHLEREQA LAKQFAEILH FTLRFDELKM TNPAIQNDFS YYRRTLSRMR INNVPAEGEN EVNNELANRM SLFYAEATPM LKTLSDATTK FVSENKNLPI ENTTDCLSTM ASVCRVMLET PEYRSRFTNE ETVSFCLRVM VGVIILYDHV HPVGAFAKTS

KIDMKGCIKV LKDQPPNSVE GLLNALRYTT KHLNDETTSK QIKSMLQ Molecular weight: 39.1 kDa (347aa) confirmed by MALDI-TOF

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

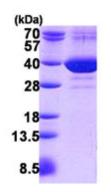
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Francesca Gilli. et al. (2011) Arch Neurol. 68:879-888Niranjana A Nagarajan. et al.

(2012) Nature Immunology. 13:579-586.



Pictures:



15% SDS-PAGE (3ug)