

**FAM49B, 1-324aa, Human, His tag, E.coli**

**Cat.NO.: TP02086**

3th Edition

**Synonyms:**Protein FAM49B , BM-009, L1

**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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl, 1mM DTT

**Molecular Weight:**39.1 kDa(347aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMGNLLKVLCTDLEQGPNFFLDFENAQPTSESEKEIYNQVNVVLKDAEGILED  
LQSYRGAGHEIREAIQHPADEKLQEKAWGAVVPLVGKLLKFFYEFSSQRLEAALRGLLGALTSTPYSPTQHLEREQAL  
AKQFAEILHFTLRFDELKMTNPAIQNDFSYYRRTL SRMRINNVPAEGENEVNNELANRMSLFYAEATPMLKTLSDAT  
TKFVSENKNLPIENTTDCLSTMASVCRVMLETPEYRSRFTNEETVSFCLRVMVGVIIYDHPVPGAFAKTSKIDMK  
GCIKVLKDQPPNSVEGLLNALRYTTKHLNDETTSKQIKSMLQ

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.