

IRGM, 23-181aa, Human, His tag, E.coli

Cat.NO.: TP02689

3th Edition

Synonyms:Immunity-related GTPase family M protein, IFI1, IRGM1, LRG-47, LRG47, MGC149263, MGC149264

Description:Immunity-related GTPase family M protein, also known as IRGM, is required for clearance of acute protozoan and bacterial infections. This protein functions in innate immune response probably through regulation of autophagy. It may regulate proinflammatory cytokine production and prevent endotoxemia upon infection and may also play a role in macrophages adhesion and motility. Recombinant human IRGM protein, fused to His-tag at Nterminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 10% glycerol

Molecular Weight:20.1 kDa (180aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMKETLKIVSRTPVNITMAGDSGNGMSTFISALRNTGHEGKASPTELVKATQRCA
SYFSSHFSNVVLWDLPGTGSATTTLENYLMEMQFNRYDFIMVASAQFSMNHVMLAKTAEDMGKKFYIVWTKLDMD
LSTGALPEVQLLQIRENVLENLQKERVCEY

Purity:> 95% by HPLC

Concentration:1 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.