

Recombinant human IRGM protein

Catalog Number: ATGP1833

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-181aa

UniProt No.

A1A4Y4

NCBI Accession No.

NP_001139277

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

20.1 kDa (180aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

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 N-terminus, was expressed in E. coli.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH M>KETLKIVSR TPVNITMAGD SGNGMSTFIS ALRNTGHEGK ASPPTLVKA
TQRCASYFSS HFSNVVLWDL PGTGSATTTL ENYLMEMQFN RYDFIMVASA QFSMNHVMLA KTAEDMGKKF YIVWTKLDMD
LSTGALPEVQ LLQIRENVLE NLQKERVCEY

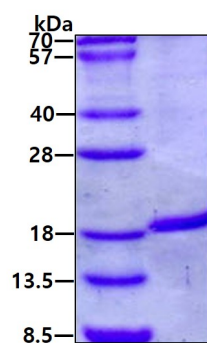
General References

Singh S.B., et al. (2006) Science. 313:1438-1441

Parkes M., et al. (2007) Nat. Genet. 39:830-832

DATA

SDS-PAGE



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