

# Recombinant Human immunity-related GTPase family, M, His-tagged

**Cat. No.** IRGM-394H    **Lot. No.** (See product label)

## SPECIFICATION

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

**Species**    Human

**Source**    E.coli

**ProteinLength**    23-181 a.a.

**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.

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

**Molecular Mass**    20.1 kDa (180aa)

**AA Sequence**    MGSSHHHHHH SSGLVPRGSH MKETLKIVSR TPVNITMAGD SGNGMSTFIS  
ALRNTGHEGK ASPPTLVKA TQRCASYFSS HFSNVVLWDL PGTGSATTTL  
ENYLMEMQFN RYDFIMVASA QFSMNHVMLA KTAEDMGKKF YIVWTKLDMD  
LSTGALPEVQ LLQIRENVLE NLQKERVCEY

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>90 % by SDS - PAGE
<b>Storage</b>	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

<b>Gene Name</b>	IRGM immunity-related GTPase family, M [ Homo sapiens ]
<b>Official Symbol</b>	IRGM
<b>Synonyms</b>	IRGM; immunity-related GTPase family, M; immunity related GTPase family, M1 , IRGM1; immunity-related GTPase family M protein; IFI1; LRG 47; LRG47; LRG-47-like protein; interferon-inducible protein 1; immunity-related GTPase family, M1; LPS-stimulated RAW 264.7 macrophage protein 47 homolog; IRGM1; LRG-47; MGC149263; MGC149264;
<b>Gene ID</b>	<a href="#">345611</a>
<b>mRNA Refseq</b>	<a href="#">NM_001145805</a>
<b>Protein Refseq</b>	<a href="#">NP_001139277</a>
<b>MIM</b>	<a href="#">608212</a>
<b>UniProt ID</b>	<a href="#">A1A4Y4</a>
<b>Chromosome Location</b>	5q33.1



<b>Pathway</b>	Toxoplasmosis, organism-specific biosystem; Toxoplasmosis, conserved biosystem;
<b>Function</b>	GTP binding; hydrolase activity, acting on acid anhydrides; nucleotide binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA