9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IRGM Human

Immunity-Related GTPase Family, M Human Recombinant
RCP1131

Product Overview

Name	IRGM Human
Description	
Immunity-Related GTPase Family, M Human Recombinant	
Accession (Primary)	A1A4Y4
Synonyms	
Immunity-related GTPase family M protein, Immunity-related GTPase family M protein1, LPS-stimulated RAW 264.7 macrophage protein 47 homolog, LRG-47, IRGM, IFI1, IRGM1, LRG47.	
Introduction	
Immunity-related GTPase family M protein (IRGM) is essential for clearance of severe protozoan and bacterial infections. IRGM belongs to the p47 immunity-related GTPase family. IRGM serves in innate immune response possibly via regulation of autophagy. IRGM regulates proinflammatory cytokine production and inhibit endotoxemia upon infection and also has a part in macrophages adhesion and motility. Polymorphisms which modify the natural expression of the IRGM gene are associated with a susceptibility to Crohn's disease and tuberculosis.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The IRGM solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M KETLKIVSR TPVNITMAGD SGNGMSTFIS ALRNTGHEGK ASPPTELVKA TQRCASYFSS HFSNVVLWDL PGTGSATTTL ENYLMEMQFN RYDFIMVASA QFSMNHVMLA KTAEDMGKKF YIVWTKLDMD LSTGALPEVQ LLQIRENVLE NLQKERVCEY.	

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Precautions

IRGM Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (A1A4Y4)