Immunity-Related Gtpase Family M Protein 1 (IRGM1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Immunity-related GTPase family M protein 1 (Irgm1), Recombinant Protein
Full Product Name	Recombinant Mouse Immunity-related GTPase family M protein 1 (Irgm1)
Product Gene Name	Irgm1 recombinant protein
Product Synonym Gene Name	Irgm1
Sequence	MKPSHSSCEA APLLPNMAET HYAPLSSAFP FVTSYQTGSS RLPEVSRSTE RALREGKLLE LVYGIKETVA TLSQIPVSIF VTGDSGNGMS SFINALRVIG HDEDASAPTG VVRTTKTRTE YSSSHFPNVV LWDLPGLGAT AQTVEDYVEE MKFSTCDLFI IIASEQFSSN HVKLSKIIQS MGKRFYIVWT KLDRDLSTSV LSEVRLLQNI QENIRENLQK EKVKYPPVFL VSSLDPLLYD FPKLRDTLHK DLSNIRCCEP LKTLYGTYEK IVGDKVAVWK QRIANESLKN SLGVRDDDNM GECLKVYRLI FGVDDESVQQ VAQSMGTVVM EYKDNMKSQN FYTLRREDWK LRLMTCAIVN AFFRLLRFLP CVCCCLRRLR HKRMLFLVAQ DTKNILEKIL RDSIFPPQI
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	44,888 Da
Sequence Positions	1-409aa, Full Length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q60766
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Irgm1 recombinant protein	MBS1330040 is a recombinant protein targeting Irgm1. Also known as Recombinant Mouse Immunity-related GTPase family M protein 1 (Irgm1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Irgm1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Irgm1. It may not necessarily be applicable to this product.

NCBI GI #	6680351
NCBI GeneID	15944
NCBI Accession #	NP_032352.1
UniProt Primary Accession #	Q60766

UniProt Secondary Accession #	Q3TJ73
UniProt Related Accession #	Q60766
GenBank Nucleotide #	NM_008326.2
NCBI Official Full Name	immunity-related GTPase family M protein 1 isoform 1
NCBI Official Synonym Full Names	immunity-related GTPase family M member 1
NCBI Official Symbol	Irgm1
NCBI Official Synonym Symbols	Ifi1; Irgm; Iigp3; Iipg3; Ifggd3
UniProt Protein Name	Immunity-related GTPase family M protein 1
UniProt Synonym Protein Names	Interferon-inducible GTPase 3; Interferon-inducible protein 1; LPS-stimulated RAW 264.7 macrophage protein 47; LRG-47
Protein Family	Immunity-related GTPase family M protein
UniProt Gene Name	Irgm1
UniProt Synonym Gene Names	Ifi1; Iigp3; Irgm; LRG-47
NCBI Protein Information	immunity-related GTPase family M protein 1
UniProt Comments for Irgm1	Putative GTPase which is required for IFNG-mediated clearance of acute protozoan and bacterial infections. Functions in innate immune response probably through regulation of autophagy. May regulate proinflammatory cytokine production and prevent endotoxemia upon infection. Required for macrophage motility and possibly also for adhesion.
Research Articles on Irgm1	**1.** Irgm1/IRGM participates in the polarization of M1 macrophages, is upregulated in human atheromata, and promotes development of atheroma in murine experimental atherosclerosis
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/immunity-related-gtpase-family-m-protein-1-irgm1/1330040