Interphotoreceptor Matrix Proteoglycan 1 (IMPG1) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Interphotoreceptor matrix proteoglycan 1 (Impg1), Recombinant Protein
Full Product Name	Recombinant Rat Interphotoreceptor matrix proteoglycan 1 (Impg1)
Product Gene Name	Impg1 recombinant protein
Product Synonym Gene Name	Impg1
Sequence	IKDTSTKTHS SGTKNIDKAP RIETTESTSA VHKASTMKRL FAVAKLRNKR SALFPAVNIC PRESLRQILE SLQEYYRLRV CQEIVWEAYR IFLDRVPDTE EYQDWVSLCQ KETFCLFDIG KNFSNSQEHL DLLQQRIFQR SFSGRKDDMS PIEILGVPTT APVLPIDVSS MSLRPFPLPP DDTDLKEVTI KDIQTPIAIR RAELESKPEP THVTEISSEE KVEFSISLPN HRFKAELTNS RSPYYQELVG QSQLQLQKIF KKLPGFGEIR VLGFRPKKEE DGSSSTEIQL MAIFKRDHAE SKGPESDLLS LDSNKIERER IHHGAIEDKQ PEAYLTAADL KKLIIRLLDG DQPLVGGTVP FSDEVTEPLF RPVTQSELPK PLTDVTEDVT LSPELPFSEP RLESVDIYGP YLPDSSWSRP VTASTSGVGN LPSFTPSIFA LDDQSSPPLM ATGPTAFIPT LTLPISDYST VRQWPLEVSH WPESSSDREL STTSSHDTIR DLDEMDVSDT PALSEIAELS GYDSAPDRFL EMTTPIPTLQ YVTXSSETIA AKGHELVVFF SLRVANMPFS YDLFNKSSLE YQALEQRFTD LLVPYLRSNL TGFKQLEILS FRNGSVIVNS KVRFAKAVPY NLTQAVRGVL EDLRSTAAQE LNLEIESYSL DIEPADQADP CKFLDCGKFA QCIKNELTEE AECRCRQGHE SHGTLEYQEL NLCPPGKTCE ASQGQATPCR PPDHSTNQAR QPSVKKLQRQ QNKVVKKRNS ELSATDFEEL DDQDWEGN
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	89,950 Da
Sequence Positions	21-798, full length protein
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 Q9ET62
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Impg1 recombinant protein	MBS1363922 is a recombinant protein targeting Impg1. Also known as Recombinant Rat Interphotoreceptor matrix proteoglycan 1 (Impg1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Impg1 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 Impg1. It may not necessarily be applicable to this product.

NCBI GI #	13027404

NCBI GeneID	66014
NCBI Accession #	NP_076448.1
UniProt Primary Accession #	Q9ET62
UniProt Related Accession #	Q9ET62
GenBank Nucleotide #	NM_023958.1
NCBI Official Full Name	interphotoreceptor matrix proteoglycan 1
NCBI Official Synonym Full Names	interphotoreceptor matrix proteoglycan 1
NCBI Official Symbol	Impg1
NCBI Official Synonym Symbols	Mlgapc
UniProt Protein Name	Interphotoreceptor matrix proteoglycan 1
UniProt Synonym Protein Names	Mucin-like glycoprotein associated with photoreceptor cells; Sialoprotein associated with cones and rods
Protein Family	Interphotoreceptor matrix proteoglycan
UniProt Gene Name	Impg1
NCBI Protein Information	interphotoreceptor matrix proteoglycan 1
NCBI Summary for Impg1	mouse homolog is a retinal proteoglycan and a major constituents of the interphotoreceptor matrix [RGD, Feb 2006]
UniProt Comments for Impg1	May interact with hyaluronan which may serve to form a basic macromolecular scaffold comprising the insoluble interphotoreceptor matrix.
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/interphotoreceptor-matrix-proteoglycan-1-impg1/1363922