Type II Inositol 3,4-Bisphosphate 4-Phosphatase (INPP4B) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Type II inositol 3,4-bisphosphate 4-phosphatase (Inpp4b), Recombinant Protein
Full Product Name	Recombinant Rat Type II inositol 3,4-bisphosphate 4-phosphatase (Inpp4b) , partial
Product Gene Name	Inpp4b recombinant protein
Product Synonym Gene Name	Inpp4b
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	106,485 Da
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 Q9QWG5
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Inpp4b recombinant protein	INPP4B encodes the inositol polyphosphate 4-phosphatase type II, one of the enzymes involved in phosphatidylinositol signaling pathways. This enzyme removes the phosphate group at position 4 of the inositol ring from inositol 3,4-bisphosphate. There is limited data to suggest that the human type II enzyme is subject to alternative splicing, as has been established for the type I enzyme.
Other Notes	Small volumes of Inpp4b 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.
Searchable Terms for Inpp4b purchase	MBS1399477 is a recombinant protein targeting Inpp4b. Also known as Recombinant Rat Type II inositol 3,4-bisphosphate 4-phosphatase (Inpp4b) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Inpp4b. It may not necessarily be applicable to this product.

NCBI GI #	16758796
NCBI GeneID	116699
NCBI Accession #	NP_446369.1
UniProt Primary Accession #	Q9QWG5
UniProt Secondary Accession #	O35825
UniProt Related Accession #	Q9QWG5

GenBank Nucleotide #	NM_053917.1
NCBI Official Full Name	type II inositol 3,4-bisphosphate 4-phosphatase
NCBI Official Synonym Full Names	inositol polyphosphate-4-phosphatase type II B
NCBI Official Symbol	Inpp4b
UniProt Protein Name	Type II inositol 3,4-bisphosphate 4-phosphatase
UniProt Synonym Protein Names	Inositol polyphosphate 4-phosphatase type II
Protein Family	Type II inositol 3,4-bisphosphate 4-phosphatase
UniProt Gene Name	Inpp4b
NCBI Protein Information	type II inositol 3,4-bisphosphate 4-phosphatase
NCBI Summary for Inpp4b	enzyme that catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate, and inositol 3,4-bisphosphate [RGD, Feb 2006]
UniProt Comments for Inpp4b	Catalyzes the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 1,4-bisphosphate.
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.
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