Phosphatidylinositol 4,5-Bisphosphate 5-Phosphatase A (INPP5J) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphatidylinositol 4,5-bisphosphate 5-phosphatase A (Inpp5j), Recombinant Protein
Full Product Name	Recombinant Rat Phosphatidylinositol 4,5-bisphosphate 5-phosphatase A (Inpp5j) , partial
Product Gene Name	Inpp5j recombinant protein
Product Synonym Gene Name	Inpp5j
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	107,208 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 Q9JMC1
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Inpp5j recombinant protein	MBS1351850 is a recombinant protein targeting Inpp5j. Also known as Recombinant Rat Phosphatidylinositol 4,5-bisphosphate 5-phosphatase A (Inpp5j) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Inpp5j 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 Inpp5j. It may not necessarily be applicable to this product.

NCBI GI #	19424246
NCBI GeneID	171088
NCBI Accession #	NP_598246.1
UniProt Primary Accession #	Q9JMC1
UniProt Related Accession #	Q9JMC1
GenBank Nucleotide #	NM_133562.1
NCBI Official Full Name	phosphatidylinositol 4,5-bisphosphate 5-phosphatase A
NCBI Official Synonym Full Names	inositol polyphosphate-5-phosphatase J

NCBI Official Symbol	Inpp5j
NCBI Official Synonym Symbols	Inpp; Pipp; Pib5pa
UniProt Protein Name	Phosphatidylinositol 4,5-bisphosphate 5-phosphatase A
UniProt Synonym Protein Names	Inositol polyphosphate 5-phosphatase J; Proline-rich inositol polyphosphate 5-phosphatase
Protein Family	Phosphatidylinositol 4,5-bisphosphate 5-phosphatase
UniProt Gene Name	Inpp5j
UniProt Synonym Gene Names	Pib5pa; Pipp
NCBI Protein Information	phosphatidylinositol 4,5-bisphosphate 5-phosphatase A
NCBI Summary for Inpp5j	hydrolyzes phosphate at the D-5 position of inositol or phosphatidylinositol polyphosphates; may mediate the level of inositol and phosphatidylinositol polyphosphates at membrane ruffles [RGD, Feb 2006]
UniProt Comments for Inpp5j	Inositol 5-phosphatase, which converts inositol 1,4,5-trisphosphate to inositol 1,4-bisphosphate. Also converts phosphatidylinositol 4,5-bisphosphate to phosphatidylinositol 4-phosphate and inositol 1,3,4,5-tetrakisphosphate to inositol 1,3,4-trisphosphate in vitro. May be involved in modulation of the function of inositol and phosphatidylinositol polyphosphate-binding proteins that are present at membranes ruffles.
Research Articles on Inpp5j	**1.** PIPP and CRMP2 exert opposing roles in promoting axon selection and neurite elongation and the complex between these proteins serves to regulate the localization of effectors that promote neurite extension.
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/phosphatidylinositol-45-bisphosphate-5-phosphatase-a-inpp5j/1351850