Polyphosphatidylinositol Phosphatase INP53 (INP53) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Polyphosphatidylinositol phosphatase INP53 (INP53), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Polyphosphatidylinositol phosphatase INP53 (INP53) , partial
Product Gene Name	INP53 recombinant protein
Product Synonym Gene Name	INP53
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	124,577 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 Q12271
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for INP53 recombinant protein	MBS1352883 is a recombinant protein targeting INP53. Also known as Recombinant Saccharomyces cerevisiae Polyphosphatidylinositol phosphatase INP53 (INP53) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of INP53 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 INP53. It may not necessarily be applicable to this product.

NCBI GI #	398365141
NCBI GeneID	854276
NCBI Accession #	NP_014752.3
UniProt Primary Accession #	Q12271
UniProt Secondary Accession #	D6W2G8
UniProt Related Accession #	Q12271
GenBank Nucleotide #	NM_001183528.3
NCBI Official Full Name	phosphatidylinositol-3-/phosphoinositide 5-phosphatase INP53

NCBI Official Symbol	INP53
NCBI Official Synonym Symbols	SJL3; SOP2
UniProt Protein Name	Polyphosphatidylinositol phosphatase INP53
UniProt Synonym Protein Names	Suppressor of PMA1 protein 2; Synaptojanin-like protein 3Including the following 2 domains:SAC1-like phosphoinositide phosphatase (EC:3.1.3.-)Phosphatidylinositol 4,5-bisphosphate 5-phosphatase (EC:3.1.3.36)
Protein Family	Polyphosphatidylinositol phosphatase
UniProt Gene Name	INP53
UniProt Synonym Gene Names	SJL3; SOP2
NCBI Protein Information	phosphatidylinositol-3-/phosphoinositide 5-phosphatase INP53
UniProt Comments for INP53	Dephosphorylates a number of phosphatidylinositols (PIs) like phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2), but also phosphatidylinositol 3-phosphate (PtdIns3P), phosphatidylinositol 4-phosphate (PtdIns4P), and phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). Controls the cellular levels and subcellular distribution of phosphatidylinositol 3-phosphate and phosphatidylinositol 4,5-bisphosphate. Plays an essential role in a TGN (trans Golgi network)-to-early endosome pathway. Involved in clathrin-mediated protein sorting at the TGN.
Research Articles on INP53	**1.** By activating Inp53, calcineurin repolarizes the actin cytoskeleton and maintains normal plasma membrane morphology in synaptojanin-limited cells.
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/polyphosphatidylinositol-phosphatase-inp53-inp53/1352883