Protein Phosphatase 1 Regulatory Subunit 16a (PPP1R16A) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein phosphatase 1 regulatory subunit 16A (Ppp1r16a), Recombinant Protein
Full Product Name	Recombinant Mouse Protein phosphatase 1 regulatory subunit 16A (Ppp1r16a)
Product Gene Name	Ppp1r16a recombinant protein
Product Synonym Gene Name	Ppp1r16a
Sequence	MAEHLELLAE MPMVGRMSTQ ERLKHAQKRR AQQVKMWAQA EKEAHSKKGH GERPWKEVAG LRPRKHVLFP PSVALLEAAA RNDLEEVRQF LTSGVSPNLA NEDGLTALHQ CCIDDFQEMA QQLLDAGADV NARDSECWTP LHAAATCGHL HLVELLISRG ADLLAVNSDG NMPYDLCEDA QTLDCLETAM ANQGITQEGI EEARAVPELC MLNDLQNRLQ AGANLSDPLD HGATLLHIAA ANGFSEVATL LLEQGASLSA KDHDGWEPLH AAAYWGQVHL VELLVAHGAD LNGKSLVDET PLDVCGDEEV RAKLLELKHK QDALLRAQGR QRSLLRRRTS SAGSRGKVVR RVSLTHRTNL YRKEHAQEAI VWQQPPPTSP EPLEDEDRQT DAELRLQPPE DDGPEVARPH NGQVGAPPGR HLYSKRLDRS VSYHLSPEEN SAPDALVRDK AHHTLAELKR QRAAAKLQRP APEGPETFEP GLSVDAGTSQ PDCGFSTIGD PPLLKLTAPS EEASVEKRPC C
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	57,530 Da
Sequence Positions	1-521, 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 Q923M0
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ppp1r16a recombinant protein	MBS1418401 is a recombinant protein targeting Ppp1r16a. Also known as Recombinant Mouse Protein phosphatase 1 regulatory subunit 16A (Ppp1r16a). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ppp1r16a 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 Ppp1r16a. It may not necessarily be applicable to this product.

NCBI GI #	39930481
NCBI GeneID	73062

NCBI Accession #	NP_203535.1
UniProt Primary Accession #	Q923M0
UniProt Secondary Accession #	Q4V9Z1
UniProt Related Accession #	Q923M0
GenBank Nucleotide #	NM_033371.3
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 16A
NCBI Official Synonym Full Names	protein phosphatase 1, regulatory (inhibitor) subunit 16A
NCBI Official Symbol	Ppp1r16a
NCBI Official Synonym Symbols	Mypt3; R75527; 2900084E10Rik
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 16A
UniProt Synonym Protein Names	Myosin phosphatase targeting subunit 3
Protein Family	Protein phosphatase 1 regulatory
UniProt Gene Name	Ppp1r16a
UniProt Synonym Gene Names	Mypt3
NCBI Protein Information	protein phosphatase 1 regulatory subunit 16A
UniProt Comments for Ppp1r16a	Inhibits protein phosphatase 1 activity toward phosphorylase, myosin light chain and myosin substrates.
Research Articles on Ppp1r16a	**1.** R16A at the membrane may mediate the PB signal to initiate CAR nuclear translocation, through a mechanism including its dimerization and inhibition of PP1beta activity.
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/protein-phosphatase-1-regulatory-subunit-16a-ppp1r16a/1418401