Serine/Threonine-Protein Phosphatase PP1-Beta Catalytic Subunit (ppp1cb) Xenopus Tropicalis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Serine/threonine-protein phosphatase PP1-beta catalytic subunit (ppp1cb), Recombinant Protein
Full Product Name	Recombinant Xenopus tropicalis Serine/threonine-protein phosphatase PP1-beta catalytic subunit (ppp1cb)
Product Gene Name	ppp1cb recombinant protein
Product Synonym Gene Name	ppp1cb
Sequence	ADGELNVDSL ISRLLEVRGC RPGKIVQMTE AEVRGLCIKS REIFLSQPIL LELEAPLKIC GDIHGQYTDL LRLFEYGGFP PEANYLFLGD YVDRGKQSLE TICLLLAYKI KYPENFFLLR GNHECASINR IYGFYDECKR RFNIKLWKTF TDCFNCLPIA AIVDEKIFCC HGGLSPDLQS MEQIRRIMRP TDVPDTGLLC DLLWSDPDKD VQGWGENDRG VSFTFGADVV SKFLNRHDLD LICRAHQVVE DGYEFFAKRQ LVTLFSAPNY CGEFDNAGGM MSVDETLMCS FQILKPSEKK AKYQYGGLNS GRPVTPPRTA NPPKKR
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	37,173 Da
Sequence Positions	2-327, 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 Q5I085
Species	Xenopus tropicalis (Western clawed frog) (Silurana tropicalis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ppp1cb recombinant protein	MBS1334572 is a recombinant protein targeting ppp1cb. Also known as Recombinant Xenopus tropicalis Serine/threonine-protein phosphatase PP1-beta catalytic subunit (ppp1cb). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ppp1cb 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 ppp1cb. It may not necessarily be applicable to this product.

NCBI GI #	58332786
NCBI GeneID	496958
NCBI Accession #	NP_001011467.1

UniProt Primary Accession #	Q5I085
UniProt Related Accession #	Q5I085
GenBank Nucleotide #	NM_001011467.1
NCBI Official Full Name	serine/threonine-protein phosphatase PP1-beta catalytic subunit
NCBI Official Synonym Full Names	protein phosphatase 1, catalytic subunit, beta isozyme
NCBI Official Symbol	ppp1cb
UniProt Protein Name	Serine/threonine-protein phosphatase PP1-beta catalytic subunit
Protein Family	Serine/threonine-protein phosphatase
UniProt Gene Name	ppp1cb
UniProt Synonym Gene Names	PP-1B
NCBI Protein Information	serine/threonine-protein phosphatase PP1-beta catalytic subunit
UniProt Comments for ppp1cb	Protein phosphatase that associates with over 200 regulatory proteins to form highly specific holoenzymes which dephosphorylate hundreds of biological targets. Protein phosphatase (PP1) is essential for cell division, it participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. Involved in regulation of ionic conductances and long-term synaptic plasticity ().
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