PPP2R3B cDNA Clone – Protein Phosphatase 2 (Formerly 2a), Regulatory Subunit B'', Beta (Human)

PRODUCT OVERVIEW

Product Name	PPP2R3B, cDNA Clone
Full Product Name	PPP2R3B cDNA Clone
Product Gene Name	PPP2R3B cdna clone
Sequence	atgatagaca ggatcttctc aggagcagtc acacgaggca gaaaagtgca gaaggaaggg aagatcagct atgccgactt tgtctggttt ttgatctctg aggaagacaa aaaaacaccg accagcatcg agtactggtt ccgctgcatg gacctggacg gggacggcgc cctgtccatg ttcgagctcg agtacttcta cgaggagcag tgccgaaggc tggacagcat ggccatcgag gccctgccct tccaggactg cctctgccag atgctggacc tggtcaagcc gaggactgaa gggaagatca cgctgcagga cctgaagcgc tgcaagctgg ccaacgtctt cttcgacacc ttcttcaaca tcgagaagta cctcgaccac gagcagaaag agcagatctc cctgctcagg gacggtgaca gcggcggccc cgagctctcg gactgggaga agtacgcggc cgaggagtac gacatcctgg tggccgagga gaccgcggga gagccctggg aggacgggtt cgaggccgag ctcagccctg tggagcagaa gctgagtgcg ctgcgctccc cgctggccca gaggcccttc ttcgaggcgc cctcaccgct gggcgccgtg gacctgtacg agtacgcatg cggggacgag gacctggagc cgctgtga
Molecular Weight	20,111 Da
OMIM	300339
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PPP2R3B cdna clone	MBS1269911 is a cDNA clone targeting PPP2R3B.
Other Notes	Small volumes of PPP2R3B cdna clone 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 PPP2R3B. It may not necessarily be applicable to this product.

NCBI GI #	15029909
NCBI GeneID	28227
NCBI Accession #	BC011180
UniProt Secondary Accession #	Q6P4G9; Q7RTT1; Q96H01
UniProt Related Accession #	Q9Y5P8
NCBI Official Full Name	Homo sapiens protein phosphatase 2 (formerly 2A), regulatory subunit B'', beta, mRNA
NCBI Official Synonym Full Names	protein phosphatase 2 regulatory subunit B''beta
NCBI Official Symbol	PPP2R3B
NCBI Official Synonym Symbols	PR48; NYREN8; PPP2R3L; PPP2R3LY
UniProt Protein Name	Serine/threonine-protein phosphatase 2A regulatory subunit B'' subunit beta
UniProt Synonym Protein Names	PP2A subunit B isoform PR48; Protein phosphatase 2A 48 kDa regulatory subunit

Protein Family	Serine/threonine-protein phosphatase
UniProt Gene Name	PPP2R3B
UniProt Synonym Gene Names	PPP2R3L
UniProt Entry Name	P2R3B_HUMAN
NCBI Protein Information	serine/threonine-protein phosphatase 2A regulatory subunit B'' subunit beta
NCBI Summary for PPP2R3B	Protein phosphatase 2 (formerly named type 2A) is one of the four major Ser/Thr phosphatases and is implicated in the negative control of cell growth and division. Protein phosphatase 2 holoenzymes are heterotrimeric proteins composed of a structural subunit A, a catalytic subunit C, and a regulatory subunit B. The regulatory subunit is encoded by a diverse set of genes that have been grouped into the B/PR55, B'/PR61, and B''/PR72 families. These different regulatory subunits confer distinct enzymatic specificities and intracellular localizations to the holozenzyme. The product of this gene belongs to the B'' family. The B'' family has been further divided into subfamilies. The product of this gene belongs to the beta subfamily of regulatory subunit B''. [provided by RefSeq, Apr 2010]
UniProt Comments for PPP2R3B	PPP2R3B: The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Protein phosphatase, regulatory subunit; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: Xp22.33; Yp11.3 Cellular Component: nucleoplasm; nucleus; protein phosphatase type 2A complex Molecular Function: phosphoprotein phosphatase activity; protein binding; protein phosphatase type 2A regulator activity; protein serine/threonine phosphatase activity Biological Process: cell cycle arrest; protein amino acid dephosphorylation
Research Articles on PPP2R3B	**1.** Results show the crystal structure of PR48/PR70, at 2.0 A degrees resolution with two domain elongated structure and two Ca2+ binding EF-hands Scattering data.
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