

Serine/threonine-protein phosphatase PP1-beta catalytic subunit (PPP1CB) Recombinant Protein | PPP1CB recombinant protein

Recombinant Human Serine/threonine-protein phosphatase PP1-beta catalytic subunit (PPP1CB)

CATALOG # AAA114004	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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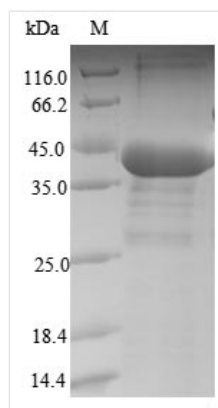
PRODUCT SYNONYMS

Serine/threonine-protein phosphatase PP1-beta catalytic subunit (PPP1CB); Recombinant Human Serine/threonine-protein phosphatase PP1-beta catalytic subunit (PPP1CB); Serine/threonine-protein phosphatase PP1-beta catalytic subunit; PP-1B; PPP1CD; EC=3.1.3.16; EC=3.1.3.53; PPP1CB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-327aa; Full Length of Mature Protein
Sequence	ADGELNVDSL ITRLLEVRGC RPKIVQMTE AEVRGLCIKS REIFLSQPIL LELEAPLKIC GDIHGQYTDL LRLFYGGFP PEANYLFLGD YVDRGKQSLE TICLLLAYKI KYPENFFLLR GNHECASINR IYGFYDECKR RFNIKLVKTF TDCFNCLPIA AIVDEKIFCC HGGLSPDLQS MEQIRRIMRP TDVPDTGLLC DLLWSDPKD VQGWGENDRG VSFTFGADV V SKFLNRHDL D LICRAHQVVE DGYEFFAKRQ LVTLSAPNY CGEFDNAGGM MSVDETL MCS FQILKPSEKK AKYQYGGLNS GRPVTTPRTA NPPKKR
Species	Homo sapiens (Human)
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.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PPP1CB recombinant protein	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. Component of the PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase. In balance with CSNK1D and CSNK1E, determines the circadian period length, through the regulation of the speed and rhythmicity of PER1 and PER2 phosphorylation. May dephosphorylate CSNK1D and CSNK1E. Dephosphorylates the 'Ser-418' residue of FOXP3 in regulatory T-cells (Treg) from patients with rheumatoid arthritis, thereby inactivating FOXP3 and rendering Treg cells functionally defective (PubMed:23396208).
Product Categories/Family for PPP1CB recombinant protein	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506005
NCBI GeneID	5500
NCBI Accession #	NP_002700.1
NCBI GenBank Nucleotide #	NM_002709.2
UniProt Accession #	P62140; P37140; Q5U087; Q6FG45; B2R5V4; D6W565
Molecular Weight	41.1 kDa
NCBI Official Full Name	serine/threonine-protein phosphatase PP1-beta catalytic subunit isoform 1
NCBI Official Synonym Full Names	protein phosphatase 1, catalytic subunit, beta isozyme
NCBI Official Symbol	PPP1CB
NCBI Official Synonym Symbols	PP1B; PP-1B; PPP1CD; PP1beta; HEL-S-80p
NCBI Protein Information	serine/threonine-protein phosphatase PP1-beta catalytic subunit; protein phosphatase 1-beta; protein phosphatase 1-delta; epididymis secretory sperm binding protein Li 80p; protein phosphatase 1, catalytic subunit, beta isoform; protein phosphatase 1, catalytic subunit, delta isoform; serine/threonine protein phosphatase PP1-beta catalytic subunit
UniProt Protein Name	Serine/threonine-protein phosphatase PP1-beta catalytic subunit
UniProt Gene Name	PPP1CB
UniProt Synonym Gene Names	PP-1B; PPP1CD
UniProt Entry Name	PP1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/ppp1cb-recombinant-protein-e-coli/114004>