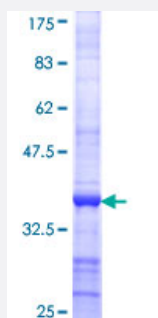


PPP1CB (Human) Recombinant Protein (Q01)

Catalog # H00005500-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PPP1CB partial ORF (NP_002700, 231 a.a. - 327 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VSKFLNRHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGGMMSVDETLMCSFQIL KPSEKKAKYQYGGLNSGRPVTPPRTANPPKKR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PPP1CB

Entrez GeneID [5500](#)

GeneBank Accession# [NM_002709](#)

Protein Accession# [NP_002700](#)

Gene Name PPP1CB

Gene Alias MGC3672, PP-1B, PPP1CD

Gene Description protein phosphatase 1, catalytic subunit, beta isoform

Omim ID [600590](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Mouse studies suggest that PP1 functions as a suppressor of learning and memory. Two alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations protein phosphatase 1, catalytic subunit, beta|protein phosphatase 1, catalytic subunit, delta isoform|protein phosphatase 1-beta|protein phosphatase 1-delta|serine/threonine protein phosphatase PP1-beta catalytic subunit

Pathway

- [Focal adhesion](#)
- [Insulin signaling pathway](#)

- [Long-term potentiation](#)
- [Regulation of actin cytoskeleton](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)