OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP301142

Protein Phosphatase 1 beta (PPP1CB) (NM_206876) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein phosphatase 1, catalytic subunit, beta isoform (PPP1CB), transcript variant 3
Species:	Human
Expression Host:	HEK293T
Tag:	C-Myc/DDK
Predicted MW:	37 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_996759
Locus ID:	5500
RefSeq Size:	4786
Cytogenetics:	2p23.2
RefSeq ORF:	981
Synonyms:	HEL-S-80p; MP; NSLH2; PP-1B; PP1B; PP1beta; PP1c; PPP1beta; PPP1CD
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, Jul 2008]

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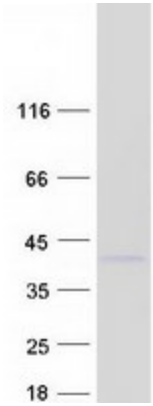
Protein Families: Druggable Genome, Phosphatase

Protein Pathways: Focal adhesion, Insulin signaling pathway, Long-term potentiation, Oocyte meiosis, Regulation of actin cytoskeleton, Vascular smooth muscle contraction

Product images:



Coomassie blue staining of purified PPP1CB protein (Cat# TP301142). The protein was produced from HEK293T cells transfected with PPP1CB cDNA clone (Cat# [RC201142]) using MegaTran 2.0 (Cat# [TT210002]).

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