

Product datasheet for **RC201142L4V**

Protein Phosphatase 1 beta (PPP1CB) (NM_206876) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Protein Phosphatase 1 beta (PPP1CB) (NM_206876) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Protein Phosphatase 1 beta |
| Synonyms: | HEL-S-80p; MP; NSLH2; PP-1B; PP1B; PP1beta; PP1c; PPP1beta; PPP1CD |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_206876 |
| ORF Size: | 981 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC201142). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_206876.1 , NP_996759.1 |
| RefSeq Size: | 4786 bp |
| RefSeq ORF: | 984 bp |
| Locus ID: | 5500 |
| UniProt ID: | P62140 |
| Cytogenetics: | 2p23.2 |
| Protein Families: | Druggable Genome, Phosphatase |



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

MW: 37.2 kDa

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, Jul 2008]