

## Product datasheet for RC215893L3V

## OriGene Technologies, Inc.

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## Protein Phosphatase 1 beta (PPP1CB) (NM\_002709) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** Protein Phosphatase 1 beta (PPP1CB) (NM\_002709) Human Tagged ORF Clone Lentiviral

**Particle** 

Symbol: Protein Phosphatase 1 beta

Synonyms: HEL-S-80p; MP; NSLH2; PP-1B; PP1B; PP1beta; PPP1beta; PPP1CD

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK
ACCN: NM 002709

ORF Size: 981 bp

**ORF Nucleotide** 

Sequence:

The ORF insert of this clone is exactly the same as(RC215893).

**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:** <u>NM 002709.2</u>

 RefSeq Size:
 4991 bp

 RefSeq ORF:
 984 bp

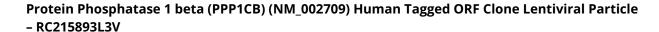
 Locus ID:
 5500

 UniProt ID:
 P62140

Cytogenetics: 2p23.2

**Domains:** Metallophos, PP2Ac







**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

**MW:** 37 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]