

Product datasheet for **RC200056L4V**

PPP2R1A (NM_014225) Human Tagged ORF Clone Lentiviral Particle

Product data:

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| Product Type: | Lentiviral Particles |
| Product Name: | PPP2R1A (NM_014225) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | PPP2R1A |
| Synonyms: | MRD36; PP2A-Aalpha; PP2AA; PP2AAALPHA; PR65A |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_014225 |
| ORF Size: | 1767 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC200056). |
| 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_014225.3 |
| RefSeq Size: | 2519 bp |
| RefSeq ORF: | 1770 bp |
| Locus ID: | 5518 |
| UniProt ID: | P30153 |
| Cytogenetics: | 19q13.41 |
| Domains: | HEAT, HEAT_PBS |
| Protein Families: | Druggable Genome, Phosphatase, Transcription Factors |



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| Protein Pathways: | Long-term depression, Oocyte meiosis, TGF-beta signaling pathway, Tight junction, Wnt signaling pathway |
| MW: | 65.3 kDa |
| Gene Summary: | This gene encodes a constant regulatory subunit of protein phosphatase 2. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes an alpha isoform of the constant regulatory subunit A. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010] |