

Product datasheet for **RC223947L4V**

PP4R1 (PPP4R1) (NM_001042388) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | PP4R1 (PPP4R1) (NM_001042388) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | PP4R1 |
| Synonyms: | MEG1; PP4(Rmeg); PP4R1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001042388 |
| ORF Size: | 2850 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC223947). |
| 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_001042388.2 |
| RefSeq Size: | 3980 bp |
| RefSeq ORF: | 2853 bp |
| Locus ID: | 9989 |
| UniProt ID: | Q8TF05 |
| Cytogenetics: | 18p11.22 |
| Protein Families: | Druggable Genome, Phosphatase |
| MW: | 107 kDa |



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Gene Summary:

This gene encodes one of several alternate regulatory subunits of serine/threonine protein phosphatase 4 (PP4). The protein features multiple HEAT repeats. This protein forms a complex with PP4RC. This complex may have a distinct role from other PP4 complexes, including regulation of HDAC3 (Zhang et al., PMID: 15805470). There is also a transcribed pseudogene on chromosome 20. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]