

Product datasheet for **RC216083L4V**

Prostaglandin F2 alpha Receptor (PTGFR) (NM_001039585) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|------------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Prostaglandin F2 alpha Receptor (PTGFR) (NM_001039585) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | PTGFR |
| Synonyms: | FP |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001039585 |
| ORF Size: | 891 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC216083). |
| 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_001039585.1 |
| RefSeq Size: | 5431 bp |
| RefSeq ORF: | 894 bp |
| Locus ID: | 5737 |
| UniProt ID: | P43088 |
| Cytogenetics: | 1p31.1 |
| Protein Families: | Druggable Genome, GPCR, Transmembrane |



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Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

MW: 33.65 kDa

Gene Summary: The protein encoded by this gene is member of the G-protein coupled receptor family. This protein is a receptor for prostaglandin F2-alpha (PGF2-alpha), which is known to be a potent luteolytic agent, and may also be involved in modulating intraocular pressure and smooth muscle contraction in uterus. Knockout studies in mice suggest that the interaction of PGF2-alpha with this receptor may initiate parturition in ovarian luteal cells and thus induce luteolysis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]