

Product datasheet for **RC213594L4V**

OPCML (NM_002545) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Lentiviral Particles |
| Product Name: | OPCML (NM_002545) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | OPCML |
| Synonyms: | IGLON1; OBCAM; OPCM |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_002545 |
| ORF Size: | 1035 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC213594). |
| 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_002545.3 , NP_002536.1 |
| RefSeq Size: | 6300 bp |
| RefSeq ORF: | 1038 bp |
| Locus ID: | 4978 |
| UniProt ID: | Q14982 |
| Cytogenetics: | 11q25 |
| Domains: | ig, IGC2, IG |
| Protein Families: | Druggable Genome, Transmembrane |



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MW: 38 kDa

Gene Summary: This gene encodes a member of the IgLON subfamily in the immunoglobulin protein superfamily of proteins. The encoded preprotein is proteolytically processed to generate the mature protein. This protein is localized in the plasma membrane and may have an accessory role in opioid receptor function. This gene has an ortholog in rat and bovine. The opioid binding-cell adhesion molecule encoded by the rat gene binds opioid alkaloids in the presence of acidic lipids, exhibits selectivity for mu ligands and acts as a GPI-anchored protein. Since the encoded protein is highly conserved in species during evolution, it may have a fundamental role in mammalian systems. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Jan 2016]