

## Product datasheet for SC310534

### plasticity related gene 3 (PLPPR1) (NM\_207299) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | plasticity related gene 3 (PLPPR1) (NM_207299) Human Untagged Clone                     |
| Tag:                      | Tag Free  |
| Symbol:                   | plasticity related gene 3   |
| Synonyms:                 | LPPR1; PRG-3  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| Fully Sequenced ORF:      | >SC310534 representing NM_207299.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCTGTAGGAAACAACACTCAACGAAGTTATCCATCATCCC GTTTTATATTTGTTGAGCTTGTG
ATCATGGCTGGGACAGTCTGCTGCCTACTACTTCGAATGCACTGACACTTTTCAGGTGCATATCCAA
GGATTCTTCTGT CAGGACGGAGACTTAATGAAGCCTTACCCAGGGACAGAGGAAGAAAGCTTCATCACC
CCTCTGGTCTCTATTGTGTGCTGGCTGCCACCCCACTGCTATTATTTTATTGGTGAGATATCCATG
TATTTTCATAAAA CAACAAGAGAATCCCTGATTGCTCAGGAGAAAACAATTCTGACCGGAGAATGCTGT
TACCTGAACCCCTTACTTCGAAGGATCATAAGATTACAGGGGTGTTTGCAATTTGGACTTTTGGCTACT
GACATTTTGTAAACGCCGGACAAGTGGTCACTGGGCACTTAACGCCATACTTCCTGACTGTGTGCAAG
CCAAACTACACCAAGTGCAGACTGCCAAGCGCACCACTTTATAAACAATGGGAACATTTGACTGGG
GACCTGGAAGTGATAGAAAAGGCTCGGAGATCCTTTCCCTCCAAACACGCTGCTCTGAGCATTTACTCC
GCCTTATATGCCACGATGTATATTACAAGCACAATCAAGACGAAGAGCAGTCGACTGGCCAAGCCGGTG
CTGTGCCCTCGAACTCTCTGCACAGCCTTCTGACAGGCCTCAACCGGTCTCTGAGTATCGGAACCAC
TGCTCGGACGTGATTGCTGGTTTCATCCTGGGCACTGCAGTGGCCCTGTTTCTGGGAATGTGTGGTT
CATAACTTTAAAGGAACGAAGGATCTCCTTCCAAACCAAGCCTGAGGATCCCCGTGGAGTACCCTA
ATGGCTTTCCCAAGGATAGAAAGCCCTTGAAACCTTAAGTGCACAGAATCACTCTGCTCCATGACC
GAAGTTACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGGC
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|                    |           |
|--------------------|-----------|
| Restriction Sites: | Sgfl-MluI |
| ACCN:              | NM_207299 |
| Insert Size:       | 978 bp    |



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|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  |
| <b>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.  |
| <b>Components:</b>            | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>   |
| <b>RefSeq:</b>                | <a href="#">NM_207299.1</a>   |
| <b>RefSeq Size:</b>           | 2461 bp   |
| <b>RefSeq ORF:</b>            | 978 bp  |
| <b>Locus ID:</b>              | 54886   |
| <b>UniProt ID:</b>            | <a href="#">Q8TBJ4</a>  |
| <b>Cytogenetics:</b>          | 9q31.1  |
| <b>Protein Families:</b>      | Phosphatase, Transmembrane  |
| <b>MW:</b>                    | 35.8 kDa  |
| <b>Gene Summary:</b>          | <p>This gene encodes a member of the plasticity-related gene (PRG) family. Members of the PRG family mediate lipid phosphate phosphatase activity in neurons and are known to be involved in neuronal plasticity. The protein encoded by this gene does not perform its function through enzymatic phospholipid degradation. This gene is strongly expressed in brain. It shows dynamic expression regulation during brain development and neuronal excitation. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants encode the same protein.</p> |