

## Product datasheet for **SC128050**

### 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:	PLPPR1
Synonyms:	LPPR1; PRG-3
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_207299, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGTAGGAAACAACACTCAACGAAGTTATTCCATCATCCCCTGTTTTATATTTGTTGAGCTTGCA
TCATGGCTGGGACAGTGTGCTTGCTACTACTTCGAATGCACTGACACTTTTCAGGTGCATATCCAAGG
ATTCTTCTGT CAGGACGGAGACTTAATGAAGCCTTACCCAGGGACAGAGGAAGAAAGCTTCATCACCCCT
CTGGTGTCTATTGTGTGCTGGCTGCCACCCCAACTGCTATTATTTTTATTGGTGAGATATCCATGTATT
TCATAAAATCAACAAGAGAATCCCTGATTGCTCAGGAGAAAACAATTCTGACCGGAGAATGCTGTTACCT
GAACCCCTTACTTCGAAGGATCATAAGATTACAGGGGTGTTGCATTTGGACTTTTTGCTACTGACATT
TTTGTAACGCGCCGACAAGTGGTCACTGGGCACCTAACGCCATATTCCTGACTGTGTGCAAGCCAACT
ACACCAGTGCAGACTGCCAAGCGCACACCAGTTTATAAACAATGGGAACATTTGTACTGGGGACCTGGA
AGTGATAGAAAAGGCTCGGAGATCCTTTCCCTCCAACACGCTGCTCTGAGCATTACTCCGCCTTATAT
GCCACGATGTATATTACAAGCACAATCAAGACGAAGAGCAGTCGACTGGCCAAGCCGGTGTGTGCCTCG
GAACTCTCTGCACAGCCTTCTGACAGGCCTCAACCGGTCTCTGAGTATCGGAACCACTGCTCGGACGT
GATTGCTGGTTTCATCCTGGGCACTGCAGTGGCCCTGTTTCTGGGAATGTGTGTGGTTCATAACTTTAAA
GGAACGCAAGGATCTCCTTCAAACCAAGCCTGAGGATCCCCGTGGAGTACCCCTAATGGCTTTCCCAA
GGATAGAAAAGCCCTCTGGAAACCTTAAGTGCACAGAATCACTCTGCGTCCATGACCGAAGTTACCTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_207299 unedited CCGCGTAATCGGCACGAGGGAAACCTGGACCCTGTGCAAGCTGCAGCGCCAGGAGGAGGC AGCGGAGGAAGCAGAGCGCGGGATGGGCGCCAGCGGCATCTGTGATCCCAGCACCTCC GCCCCACGGGCGCGCACAAACACGGACACACATACACACTCGCGCACACTCG CACAAACACACTCGTACACGCCCGCGCCGCTCGCTCGCCGGCTTGCTCTCCACGCAA CCGGAATGCAGCAGCGCCTGGAGAGCGTGTCTCGGACCGCCGCTGAATGTACCTCGCTC CCGGGAGCCGGACGGCCAGTAGGACGCACTGGAGGACGCTCCGCTCGGGAGCCTGGAC AGTTTTTGACGGTGCAGTCTTGCTATATGGTGTGAGAAATGGCTGTAGGAAACAACACTC AACGAAGTTATTCCATCATCCCCTGTTTTATTTGTTGAGCTTGTATCATGGCTGGGA CAGTGCTGCTTGCTACTACTTCGAATGCACTGACACTTTTCAGGTGCATATCCAAGGAT TCTTCTGTGAGGACGGAGACTTAATGAAGCCTTACCCAGGGACAGAGGAAGAAAGCTTCA TCACCCCTCTGGTCTCTATTGTGTGCTGGCTGCCACCCCACTGCTATTATTTTTATTG GTGAGATATCCATGTATTTCAAAAATCAACAAGAGAAATCCCTGATTGCTCAGGAGAAA ACATTCTGACCGAGAATGCTGGTACCTGACCCCTACTCGNAAGGATATAGATTACAGGGG TGTTTGATTTGGACTTTTTGTAAGTACTGACATTTTTGTAACGCCGGACAGGGTCACTGGCACT TACGCATACTTCTGGATGGGTGCAGCAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_207299
<b>Insert Size:</b>	2500 bp
<b>OTI Disclaimer:</b>	The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.
<b>OTI Annotation:</b>	This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.
<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> , <a href="#">NP_997182.1</a>
<b>RefSeq Size:</b>	2461 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	54886

UniProt ID: [Q8TBJ4](#)

Cytogenetics: 9q31.1

Protein Families: Phosphatase, Transmembrane

**Gene Summary:** 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]  
Transcript Variant: This variant (1) represents the longer transcript. Both variants encode the same protein.