

## Product datasheet for **SC108663**

### plasticity related gene 3 (PLPPR1) (NM\_017753) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	plasticity related gene 3 (PLPPR1) (NM_017753) Human Untagged Clone
Tag:	Tag Free
Symbol:	plasticity related gene 3
Synonyms:	LPPR1; PRG-3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene ORF within SC108663 sequence for NM_017753 edited (data generated by NextGen Sequencing)</p> <pre> ATGGCTGTAGGAAACAACACTCAACGAAGTTATTCCATCATCCCCTGTTTATATTGTT GAGCTTGTATCATGGCTGGGACAGTGCTGCTTGCTACTACTTCGAATGCACTGACACT TTTCAGGTGCATATCCAAGGATTCTTCTGTGAGGACGAGACTTAATGAAGCCTTACCCA GGGACAGAGGAAGAAAGCTTCATCACCCCTCTGGTGCTCTATTGTGTGCTGGCTGCCACC CCAAGTCTATTATTTTATTGGTGAGATATCCATGTATTTCAAAAATCAACAAGAGAA TCCCTGATTGCTCAGGAGAAAACAATTCTGACCGGAGAATGCTGTTACCTGAACCCCTTA CTTCGAAGGATCATAAGATTCACAGGGGTGTTTGCATTTGGACTTTTGTCTACTGACATT TTTGTAACGCCGACAAGTGGTCACTGGGCACTTAACGCCATACTTCCTGACTGTGTGC AAGCCAACTACACCAGTGCAGACTGCCAAGCGCACCACAGTTTATAACAATGGGAAC ATTTGTACTGGGACCTGGAAGTGATAGAAAAGGCTCGGAGATCCTTTCCCTCCAAACAC GCTGCTCTGAGCATTTACTCCGCCTTATATGCCACGATGTATATTACAAGCACAATCAAG ACGAAGAGCAGTCGACTGGCCAAGCCGGTGCTGTGCCTCGGAACCTCTGACAGCCTTC CTGACAGGCCTCAACCGGTCTCTGAGTATCGGAACCACTGCTCGGACGTGATTGCTGGT TTCATCCTGGGCACTGCAGTGGCCCTGTTTCTGGGAATGTGTGTGGTTCATAACTTTAA GGAACGCAAGGATCTCCTTCCAAACCAAGCCTGAGGATCCCCGTGGAGTACCCCTAATG GCTTTCCCAAGGATAGAAAGCCCTCTGGAAACCTTAAGTGCACAGAATCACTCTGCGTCC ATGACCGAAGTTACCTGA </pre> <p>Clone variation with respect to NM_017753.2</p>



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_017753 unedited  
GCAGTCATATTTGTNAATAACGNAACNCACTTATTAGGGGNCGGCNCNCGNAANNNT  
CGGCACGCAGGGGGAGGGGATTAGGAACACAGTAAGAANAAGTTCATGGCAGGGATGGN  
ACAAGNAAAAAAGTTTTATACCAAAATTTGATTTTCATGGCATTAGGGCAGTCTACTG  
GGGTAAAGGCATATGCAGTACTAGGCAATTAGAATTCATTCAGTATGTGCACAAG  
CGGCTCCTGACCTGGTCATTTTGGCTGTAAACTATTCATGCCTGGACAGTTTTTGACGG  
TGCAGTCTTGCTATATGGTGTGAGAAATGGCTGTAGGAAACAACACTCAACGAAGTTATT  
CCATCATCCCGTGTATTTATTTTGTGAGCTTGTATCATGGCTGGGACAGTGTGCTTTC  
CCTACTACTTCGAATGCACTGACACTTTTCAGGTGCATATCCAAGGATTCTTCTGTCAGG  
ACGGAGACTTAATGAAGCCTTACCCAGGGACAGAGGAAGAAAGCTTCATCACCCCTCTGG  
TGCTCTATTGTGTGCTGGCTGCCACCCCACTGCTATTATTTTTATTGGTGAGATATCCA  
TGATTTTCATAAAATCAACAAGAGAATCCCTGATTGCTCAGGAGAAAACAATTCTGACCG  
GAGAATGCTGTTACCTGAACCCCTTACTTCGAAGGATCATAAGATTCACAGGGGTGTTTG  
CATTTGGACTTTTTGCTACTGACATTNTGTAAACGCCGACAAGTGGTCACTGGGCACT  
TAACGCCATACTTCTGACTGTGTGCAAGCCAACTACACCACTGCAGACTGCCAAGCGC  
ACCACCAGTTTATAAACAATGGGAACATTTGTACTGNGGACCCTGNAAGTGATAGAAAAG  
GGCTCGNAGACCTTTNCTNCAACACGCTGCTCTGAGCATTTACTCCGCCTTATATGCC  
CGATGTATATTACN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_017753 unedited  
GGGAACTTTTCTCTTCTTTACAAAAAATATGGTACCAAAAAAGCTGAGAAAGC  
CAACATGGAAGTGTCAAGAAAACATTCTGATAGGTACGGACAAAAGAGCTCCTTCAATCA  
AAGGAGTTACATATTAGTTCTCACCATGCTAGAAAAATGAGATGCAGTAAAAATTCTAGA  
ATAATTAAGCCACAAAGTGAAGTGTGTTCTGGGGCCCTATGTTGTAGATTCTCTGA  
TTCTTTTCTGTAAATAATACTGTGCAAACTGTAAATATTCATTTTCATATAAAGTCC  
ATATAATATGAGATACAAAACCTGTTGAGTTGACAGGGGAGGCTGATGTTGGCTGCTTTT  
GGAGAAAAGCTGACAGTGGCACCTGCCTGCCAGAAGACATTCCAGAAAGATCTTGAGTTA  
TTAGTAGAGGCCATTATCTAAGAAAGAATCATATAACCCCAATACCCTCCAAATCCAGA  
ATTCTCTGACAATTGTTGTATACTAGGTGACTTTGTTAATATACATTTAACTTTG  
AACGTAACAATTTGTTAAGAGATCAGAGTGAACATTCTTTTGAAGACAATTTTTTTTC  
TACAATTGACTTTGAGATTTATTATTAACCAACATTGCTCTTCTGCAGCTCAAAAGTTT  
GCCTTTTATTAATAATCAAAATTTCTGGAGGAGGCAGNCACTGTGGTAATAAAGTTTAA  
AGCGAATTGTTATATTCTGTGTTTATAAACTGAGAAAAGAAATTTGTGTACAAATATCA  
CAAAACAACGTCAACATTGAATAAATGTGTTCTTCAATGCACGCTTGAACCAGAAAA  
TNTGTTGGTCTTCAATTTCTGGCATAAATTATTAAGCTGACCAAAAAAAAAAATAAAT  
ATAGGCAGGCTCAATACTTCTATACAAAAATGTCCAAACATTAGCTNCTACTAGATAAC  
GGAATTTTGGCATCAAGTTTGACTTGACCACTGGGTGTTGT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_017753

**Insert Size:**

2740 bp

**OTI Disclaimer:**

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).

**Components:**

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).

Reconstitution Method:	<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>
RefSeq:	<a href="#">NM_017753.2</a> , <a href="#">NP_060223.2</a>
RefSeq Size:	2328 bp
RefSeq ORF:	978 bp
Locus ID:	54886
UniProt ID:	<a href="#">Q8TBJ4</a>
Cytogenetics:	9q31.1
Domains:	acidPPc
Protein Families:	Phosphatase, Transmembrane
Gene Summary:	<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 (2) uses an alternative exon at the 5' end compared to variant 1. Both variants encode the same protein.</p>