

Product datasheet for **SC327184**

LPPR4 (PLPPR4) (NM_001166252) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPPR4 (PLPPR4) (NM_001166252) Human Untagged Clone
Tag:	Tag Free
Symbol:	LPPR4
Synonyms:	LPPR4; LPR4; PHP1; PRG-1; PRG1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001166252, the custom clone sequence may differ by one or more nucleotides

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ATGCAGCGCGCTGGCTCCAGCGGTGGCCGCGGGGAATGTGACATCAGCGGCGCCGGGCGC
TTGGGGCTGGAGGAGGCAGCTCGCCTCAGCTGCGCTGTGCACACCTCGCCCGGGGAGGA
CGCAGACCCGGGCAGGCGGCAGGGATGTCGGCGAAGGAGAGGCCAAAGGGCAAAGTGATC
AAGGACAGCGCTCACCCCTCTGCCCTGCTTTTATTCGTCGAGTTGCCTATATTGGCATCA
TCGGTGGTTAGCCTCTATTTCCCGAAGTCAAGATGTCTTCAAACCTGTGCACCTGGA
TTTAGCTGCTATGACCGGAGTCTTAGCATGCCGTACATTGAACCAACCCAGGAGGCAATT
CCATTCCTCATGTTGCTTAGCTTTGCTGGACCTGCAATTACGATTATGGTAGGA
GAAGGAATTCTACTGTGCTCTCCAAAAGAAGAAATGGGGTCGGACTAGAGCCCAAC
ATTAATGTGGAGGCTGCAACTCAATTCCTCCTCAGACGAGCTGTGAGATTGTTGGT
GTTTCATGATTTGGATTATGCTCTACAGCTCTCATTACAGATATCATAACAGCTGTCCACA
GGATATCAAGCACCTTACTTTCTGACTGTGTGCAAACCAAATACCTCTCTGAATGTA
TCTTGCAAAGAAAATTCCTACATTGTGGAAGATATTTGCTCAGGATCTGACCTCACAGTT
ATCAACAGTGGCAGAAAGTCTTCCCTTCTCAACATGCAACCCTTGTCTGCTTTGACAGT
GTGATGTTTTCGGCTTGTATGCTGTGGGAATTCCTGCCAGTGATGAGAGTATGTTT
CAGCACAGAGACGCCCTCAGGTCTCTGACAGACCTCAATCAAGATCCCAACCGACTTTTA
TCTGCTAAAAATGGTAGCAGCAGTATGGAATTGCTCATACAGAAGGCATCCTCAACCGA
AACCACAGAGATGCTAGCTCTCTGACAAATCTCAAAGAGCAAATGCTGATGTGGAATC
ATTACTCCACGGAGCCCCATGGGAAGGAGAACATGGTTACCTTCAGCAATACCTTGCCG
CGAGCCAAATCCCATCTGTAGAAGACCCTGTGAGAAGAAATGCGAGCATTATGCCTCT
ATGGATCCGCTCGATCAAAGCAGCTCCTCACCCAGTGGGAAGAATAAGAATGAAAGTCA
AAGTTGCTCCTTGAAGTTATAGAGCCTGAGCCTGGGCAGTCACCCACCCAGATCCATAGAA
ATGAGGTCAAGCTCAGAGCCATCGAGGGTAGGGTGAATGGAGACCACCATGGTCTCTGGC
AATCAGTACCTCAAATCCAGCCTGGCGCTGTCCCGGATGTAACAACAGCATGCCTGGA
GGGCCAAGAGTGTCCATTAGTCCCGTCTGGTCTCACAGTTGGTGCACATCCCTGAG
GAGACTCAGGAAAACATAAGCACCTCCCCAAAAGCAGCTCTGCTCGGGCCAAAGTGGTTA
AAAGCTGTGAAAAGACTGTGGCTGTAAACAGAAGCAACAGCCAGCCCCGAATCATGCAA
GTCATAGCCATGTCCAAGCAGCAGGGTGTCTCAAAGCAGCCCCAAGAACACTGAAGGC
AGCACGGTCTCCTGCACTGGCTCCATCCGCTATAAAACCTTGACAGACCATGAGCCAGT
GGGATAGTGAGGGTTGAGGCTCACCCAGAGAACAACAGGCCCATATACAGATCCCGTCC
ACTGAAGGTGAAGGCAGTGGCTCCTGGAAGTGGAAAGCCCTGAAAAGGGCAGCCTTCGC
CAAACCTACGAGCTCAACGATCTCAACAGGGACTCAGAAAGCTGTGAGTCTCTGAAAGAC
AGCTTTGGTTCTGGAGATCGCAAGAGAAGCAACATTGATAGCAATGAGCATCACCACCAC
GGAATTACCACCATCCGCGTCACCCAGTAGAGGGCAGCGAAATTTGGCTCAGAGACGCTG
TCCATTTCTTCTCCCGGACTCCACCCTGCGGAGAAAGGGCAATATCATTCTAATCCCT
GAAAGAAGCAACAGCCCCGAAAACACTAGAAATATCTTCTACAAAGGAACCTCCCCACA
CGGGCTTATAAGGAT

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Restriction Sites: Please inquire

ACCN: NM_001166252

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).

OTI Annotation: 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.

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">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001166252.1, NP_001159724.1</u>
RefSeq Size:	4867 bp
RefSeq ORF:	2118 bp
Locus ID:	9890
UniProt ID:	<u>Q7Z2D5</u>
Cytogenetics:	1p21.3-p21.2
Protein Families:	Transmembrane
Gene Summary:	<p>The protein encoded by this gene belongs to the lipid phosphate phosphatase (LPP) family. LPPs catalyze the dephosphorylation of a number of bioactive lipid mediators that regulate a variety of cell functions. This protein is specifically expressed in neurons. It is located in the membranes of outgrowing axons and has been shown to be important for axonal outgrowth during development and regenerative sprouting. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) lacks an in-frame coding exon in the 3' region, as compared to variant 1. The resulting isoform (2) is shorter and lacks an internal segment in the C-terminal region, as compared to isoform 1.</p>