

Product datasheet for **RG234771**

LPPR3 (PLPPR3) (NM_001270366) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPPR3 (PLPPR3) (NM_001270366) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LPPR3
Synonyms:	LPPR3; LPR3; PRG-2; PRG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG234771 representing NM_001270366
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATCTCCACCAAGGAGAAGAACAAGATCCCGAAGGACAGCATGACGCTTCTGCCTGTTCTACTTTCG
 TGGAGCTGCCATAGTGGCTTCTCCATCGTATCCTTGTACTTCCCTGGAGCTGACCGACCTTCAAGCC
 GGCCAAGGTGGGCTTCCAGTGCTATGACCGCACTCTCCATGCCCTACGTGGAGACCAACGAGGAGCTC
 ATCCCGCTGCTGATGCTGCTCAGCTTGGCTTCGCGGCCCTGCCGCTCGATCATGGTGGCCGAGGGCA
 TGTTGTACTGTCTGCAGTCCCGCTGTGGGGCCGTGCCGGGGGGCCCGCGGGGGGAGGGCAGCATCAA
 CGCCGGCGGTGCAACTTCAACTCCTTCTGCGGCGTACGGTGCAGTTTGTGGTGTCCACGTGTTCCGC
 CTGTGTGCCACAGCCCTGGTACGGACGTGATCCAGCTGGCCACGGGTTACCACACTCCCTTCTTCTCA
 CCGTCTGCAAGCCCAACTACACTCTCCTGGGCAGTCTCGGAGGTCAACCCCTACATCACGAGGACAT
 CTGCTCCGGCCAGACATCCACGCCATCTGTCTGCACGGAAGACCTTCCCGTCCAGCAGCCACGCTG
 TAGCCTTCGCCCGGCTATGTGTGATGTACTTCAACTCGGTATCTCGGACACCACCAAGCTGCTGA
 AGCCCATCCTGGTCTTCGCCTTTGCCATCGCCGCGGGCGTATGCGGGCTCACGCAGATCACGCAGTACCG
 CAGCCACCCTGTGGAGCTGTATGCCGGCTTCTCATCGGGGCGGGCATCGCTGCCTACCTGGCCTGCCAC
 GCGGTGGGCAACTTCCAGGCCACCTGCAGAGAAGCCCGCGGCCCGGCCCAAGGACGCGCTGC
 GGGCCCTGACGCAGCGGGGCCAGACTCGGTTTATCAGCAGAATAAGTCGGTGTGACACCGACGAGCTGGG
 GCCCCAGGGCGGCTGGAGGGCGCGCCCGGCCGTGGCCCGGAGAAGACCTCGCTGGGACGCTGAAG
 CGCGCCAGCGTGGACGTGACCTGTGGCCCGCGCAGCCCATGGCCAAGGAGAATGGTGTGACCTTCA
 GCCACAGCTGCCAGGGCCAGCGGCCCTCGCTGGACGACCCCGCGCCGACATGACCATCCACGT
 GCCGCTGGACGCCCTCGCGCTCCAAGCAGCTCATCAGCGAGTGGAAGCAGAAGAGCCTGGAGGGCCGCGC
 CTGGGGTGCCTGACGACGCCAGCCCGGGCACCTGCGCGCGCCCGCAACCCATGGCGGAGGAGGAGG
 AAGAGGAGGAGGACGAAGAGGAAGAGGAGGAGGAGGAAGAGGAGGAGGACGAGGGCCCGGCCCGCCTC
 GCTCTACCCACCGTGCAGGCGCGGGGGCTGGGGCTCGGGTTCATCTCCACCGCGCGGGGGCCG
 CCGCCGCTGGTGCACATCCCGAGGAGGGCGCGCAGCGGGGGCCGCTGTCCCCAAAAGCGGCGCCG
 GGGTGCAGCCTAAGTGGCTCATGATGGCCGAGAAGAGCGGGGCGGAGTGGCCAACCTCCGCGGCTGT
 GCAGGTCATCGCCATGTCCAAGGCTCCGGGCGCGCGGGCCCAAGGCGGCGGAGACGGCGTCGTCGTC
 AGCGCCAGCTCCGACTCCTCGCAGTACCGTTCGCGTTCGGACCGGACTCCGCCAGCATCGTGACCATCG
 ACGCGCACGCGCCGACACCCCGTGGTGCACCTGTGCGCCGGCGCGCGCCCTGGGAGTGAAGGCGGC
 GGGCGGCGGGGCAAGGCGGAGGCGGACGGCGGCTACGAGCTGGGGGACCTGGCGCGCGGCTTCCGCGGC
 GGGGCAAGCCCCGGGCGTGTCCCCGGCTCGTCCGTGACGACGTGGACCAGGAGGAGCGCGGTTTCG
 GGGCCGTGGCCACCGTCAACCTGGCCACGGGCGAGGGGCTGCCCCGCTGGGCGCGGCCGATGGGGCGT
 GGGCCCGGCGAGCCGGAGTCCACGCTGCGGCGCCACGCGGGCGGCTGGGGTGGCGGAGCGGAGGCG
 GAGGCGGAGGCGGAGGGTACTTCCGAAGATGCAGGCGCGCCGTTCCCCGAC

ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234771 representing NM_001270366
 Red=Cloning site Green=Tags(s)

MISTKEKNKIPKDSMTLLPCFYFVELPIVASSIVSLYFLELTDLFKPAKVGFCYDRTLSPMPVETNEEL
 IPLLMLLSLAFAPAASIMVAEGLYCLQSRWGRAGGPAGAEGSINAGGCNFSFLRRTVRFVGVHVFV
 LCATALVTDVIQLATGYHTPFFLTVCKPNYTLTGTSCVENPYITQDICSGHDIHAILSARKTFPSQHATL
 SAFAAVYVSMYFNSVISDTTKLLKPILVFAFAIAAGVCGLTQITQYRSHPVVDVYAGFLIGAGIAAYLACH
 AVGNFQAPPAEKPAAPAPAKDALRALTQRGHDSVYQNKSVSTDELGPPGRLEGAPRPVAREKTSLSGLK
 RASVDVLLAPRSPMAKENMVTFSHTLPRASAPSLDDPARRHMTIHVPLDASRSKQLISEWKQKSLLEGRG
 LGLPDDASPGHLRAPAEPMEEEEEEEEEEEEEEEEDEGPAPPSLYPTVQARPLGPRVILPPRAGP
 PPLVHIPEEQAQTGAGLSPKSGAGVRKWLMMAEKSGAAVANPPRLLQVIAMSKAPGAPGPKAAETASSS
 SASDSSQYRSPSDRDSASIVTIDAHAHPHPVVHL SAGGAPWEWKAAGGGAKAEADGGYELGDLARGFRG
 GAKPPGVSPGSSVSDVDQEEPRFGAVATVNLATGEGPLPLGAADGALGPGSRESTLRRHAGGLGLAAREA
 EAEAEYFRKMQARRFPD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001270366

ORF Size: 2154 bp

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.

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:

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: [NM_001270366.2](#)

RefSeq Size: 2321 bp

RefSeq ORF: 2157 bp

Locus ID: 79948

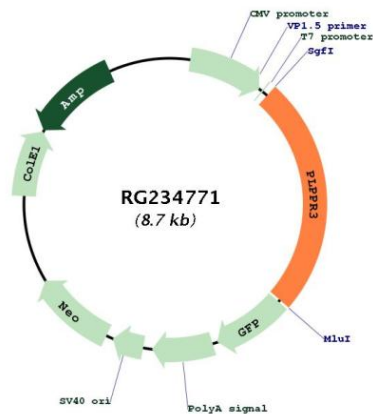
UniProt ID: [Q6T4P5](#)

Cytogenetics: 19p13.3

Protein Families: Transmembrane

Gene Summary: The proteins in the lipid phosphate phosphatase (LPP) family, including PRG2, are integral membrane proteins that modulate bioactive lipid phosphates including phosphatidate, lysophosphatidate, and sphingosine-1-phosphate in the context of cell migration, neurite retraction, and mitogenesis (Brauer et al., 2003 [PubMed 12730698]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG234771