

Product datasheet for **RG203389**

LPPR2 (PLPPR2) (NM_022737) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPPR2 (PLPPR2) (NM_022737) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LPPR2
Synonyms:	LPPR2; PRG4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203389 representing NM_022737 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGAGGGAGACCGCATCTGAAGAGGAGTTTCTCCATCATCCCCTGCTTTGTCTTCGTGGAGTCGG
TGCTGCTGGGCATTGTGATCCTGCTTGCTTACCGCCTGGAGTTCACGGACACCTTCCTGTGCACACCCA
GGGATTCTTCTGCTATGACAGTACCTACGCCAAGCCCTACCCAGGGCCTGAGGCTGCCAGCCGAGTGCCT
CCTGCTCTGTCTACGCACTGGTCACTGCCGGGCCACCCTCACGATCCTGCTGGGAGAGCTGGCGCGTG
CCTTTTTCCCTGCACCACCTTCAGCCGTCCCAGTCATCGGGGAGAGCACCATCGTGTCTGGGGCCTGCTG
CCGCTTACGCCCCCAGTGCGGAGGCTGGTCCGCTTCTGGGGGTCTACTCCTTCGGCCTTTCACCACG
ACCATCTTCGCCAACGCGGGGCAGGTGGTGACCGCAATCCCACGCCACACTTCTGTCCGTGTGCCGCC
CCAACTACACGGCCCTGGGCTGCCTGCCACCTTCTCCGGATCGGCCAGGTCCCGACCGCTTTGTCACTGA
CCAGGGTGCTGCGCTGGCAGTCCCAGCCTCGTGGCCCGCGCGCCGCGCCTTCCCCTGCAAGGATGCG
GCCCTCTGCGCTACGCGGTACCTACACAGCGATGTACGTGACTCTCGTGTCCGCGTGAAGGGCTCCC
GCCTGGTCAAACCCTCGCTCTGCCTGGCCTTGTGTGCCCGCCCTTCTGGTGGGCGTGGTCCGCGTGCC
CGAGTACCGAAACCACTGGTCCGACGTGCTGGCTGGCTTCTGACAGGGGCGGCCATCGCCACCTTTTTG
GTCACCTGGCTTGTGCATAAATTTACAGAGCCGGCCACCCTTGGCCGAAGGCTCTCTCCCTGGGAGGACC
TGGGCCAAGCCCCACCATGGATAGCCCCCTCGAAAAGAACCAGGCTTGCAGGGCCGATTCGACACCG
GCACGGCTCACCCATCCAAGTCGAGAAGTGCAGCCCGCCGCTGGCCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203389 representing NM_022737
 Red=Cloning site Green=Tags(s)

MAGGRPHLKRSFSIIPCFFVSVLLGIVILLAYRLEFDTDFPVHTQGFFCYDSTYAKPYPGPEAASRV
 PALVYALVTAGPTLTILLGELARAFFPAPPSAVPVIGESTIVSGACCRFSPVRRRLVRFGLGVYSFGLFTT
 TIFANAGQVVTGNPTPHFLSVCRPNYALGCLPPSPDRPGPDRFVTDQGACAGSPSLVAAARRAFPCKDA
 ALCAYAVTYTAMYVTLVFRVKGSRLVKPSLCLALLCPAFLVGVVVRVAEYRNHWSDVLAGFLTGAAIATFL
 VTCVVHNFQSRPPSGRRLSPWEDLGQAPTMDSPLEKNPRSAGIRHRHGSPHPSRRTAPAVAT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022737

ORF Size: 1029 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_022737.3](#)

RefSeq Size: 2686 bp

RefSeq ORF: 1032 bp

Locus ID: 64748

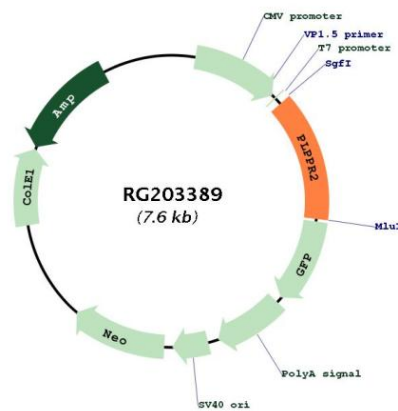
UniProt ID: [Q96GM1](#)

Cytogenetics: 19p13.2

Domains: acidPPc

Protein Families: Druggable Genome, Transmembrane

Product images:



Circular map for RG203389