

Product datasheet for **RG228835**

P2RY5 (LPAR6) (NM_001162498) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P2RY5 (LPAR6) (NM_001162498) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LPAR6
Synonyms:	ARWH1; HYPT8; LAH3; LPA-6; P2RY5; P2Y5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228835 representing NM_001162498 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTAAGCGTTAACAGCTCCCACTGCTTCTATAATGACTCCTTTAAGTACACTTTGTATGGGTGCATGT
TCAGCATGGTGTGGTTAATATCCAATTGTGTGGCCATATACATTTTCATCTGCGTCTCAA
AGTCCGAAATGAACTACAACCTACATGATTAACCTGGCAATGTCAGACTTGCTTTTGTCTTTACTTTA
CCCTTCAGGATTTTACTTCACAACACGGAATGGCCATTTGGAGATTTACTTTGTAAGATTTCTGTGA
TGCTGTTTTATACCAACATGTACGGAAGCATTCTGTTCTTAACCTGTATTAGTGTAGATCGATTTCTGGC
AATTGTCTACCCATTTAAGTCAAAGACTCTAAGAACCAAAAGAAATGCAAAGATTGTTTGCCTGGCGTG
TGGTAACTGTGATCGGAGGAAGTGCACCCGCCGTTTTTGTTCAGTCTACCCACTCTCAGGGTAAACAATG
CCTCAGAAGCCTGCTTTGAAAATTTCCAGAAGCCACATGGAAAACATATCTCTCAAGGATTGTAATTTT
CATCGAAATAGTGGGATTTTATTCCTCTAATTTTAAATGTAACCTGTTCTAGTATGGTGTCAAAAAC
TTAACCAACCTGTTACATTAAGTAGAAGCAAAATAAACAAAACCTAAGGTTTTAAAAATGATTTTGTAC
ATTTGATCATATTCTGTTCTGTTTGTTCCTTACAATATCAATCTTATTTTATATTCTCTGTGAGAAC
ACAAACATTTGTTAATTGCTCAGTAGTGGCAGCAGTAAGGACAATGTACCAATCACTCTCTGTATTGCT
GTTTCCAACCTGTTGTTTGGCCCTATAGTTTACTACTTTACATCGGACACAATTCAGAATTCAATAAAAA
TGAAAAACTGGTCTGTGAGGAGAAGTACTTCAGATTCTCTGAAGTTCATGGTGCAGAGAATTTTATTCA
GCATAACCTACAGACCTTAAAAAGTAAGATATTTGACAATGAATCTGCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG228835 representing NM_001162498
Red=Cloning site Green=Tags(s)

MVSVNSSHCFYNDSFKYTLYGCMFSMVFVLGLISNCVAIYIFICVLKVRNETTTYMINLAMSDDL FVFTL
 PFRIFYFTTRNWPFGDLLCKISVMLFYTNMYGSILFLTCISVDRFLAIVYPFKSKTLRTRKNAKIVCTGV
 WLTVIGGSAPAVFVQSTHSQGNNAEACFENFEATWTKYLSRIVIFIEIVGFFIPLILNVTCSMVLKT
 LTKPVTLSRSKINKTKVLKMI FVHLIIFCFVVPYNINLILYSLVRTQTFVNCSSVVAAVRTMYPITL CIA
 VSNCCFDPIVYYFTSDTIQNSIKMKNWSVRRSDFRFSEVHGAENFIQHNLQTLKSKIFDNESAA

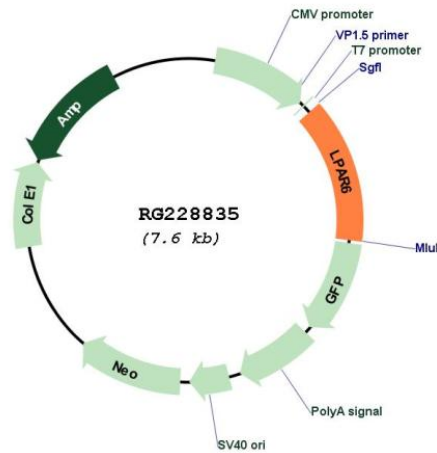
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001162498

ORF Size: 1032 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:	<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:	NM_001162498.3
RefSeq Size:	2512 bp
RefSeq ORF:	1035 bp
Locus ID:	10161
UniProt ID:	P43657
Cytogenetics:	13q14.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	The protein encoded by this gene belongs to the family of G-protein coupled receptors, that are preferentially activated by adenosine and uridine nucleotides. This gene aligns with an internal intron of the retinoblastoma susceptibility gene in the reverse orientation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2009]