

Product datasheet for **SC325010**

GPR92 (LPAR5) (NM_001142961) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR92 (LPAR5) (NM_001142961) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR92
Synonyms:	GPR92; GPR93; KPG_010; LPA5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001142961 edited
 AGGTCTCTGCTGCTGATGAAGCTGTGACCAAACGCACCCAACCCCTTGGCAGCCATCTGTC
 CCTGCAGCCATAGCCACATTCCCATGACCTCCCTCTGCTTGTGTTGGGACCATGTCTGT
 ACAGCCTCTAGGCCCCAGCCCCGAGGTGAATGCCATGCCATGATTCTGGTGTGCTCCAT
 GGCATCCCCAGCCTAGCTCCCAATCCCACTTTGGCAGCATGTTAGCCAACAGTCCTCAA
 CCAACAGTTCTGTTCTCCCGTGTCTGACTACCGACCTACCCACCGCCTGCACTTGGTGG
 TCTACAGCTTGGTGTGGCTGCCGGGCTCCCCCTCAACGCGCTAGCCCTCTGGGCTTCC
 TGC GCGCGCTGCGGTGCACTCGGTGGTGAAGCGGTACATGTGTAACTGGCGGCCAGCG
 ACCTGCTCTTACCCCTCTCGCTGCCCGTTCGTCTCTCCTACTACGCACTGCACCACTGGC
 CCTTCCCCGACCTCCTGTGCCAGACGACGGGCGCCATCTTCCAGATGAACATGTACGGCA
 GCTGCATCTTCTGATGCTCATCAACGTGGACCGCTACGCCGCCATCGTGACCCCGCTGC
 GACTGCGCACCTGCGGCGGCCCGCGTGGCGCGGCTGCTCTGCCTGGCGGTGTGGGCGC
 TCATCCTGGTGTGTCGCTGCCCGCCCGCGTGCACAGGCCCTCGCGTTGCCGCTACC
 GGGACCTCGAGGTGCGCCTATGCTTCGAGAGCTTCAGCGACGAGCTGTGAAAGGCAGGC
 TGCTGCCCTCGTGTGCTGGCCGAGGCGCTGGGCTTCTGCTGCCCTGGCGGCGGTGG
 TCTACTCGTGGGCGGAGTCTTCTGACGCTGGCGCGCCCGACGCCACGCAGAGCCAGC
 GCGGCGGAAGACCGTGCGCCTCCTGCTGGCTAACCTCGTCATCTTCTGCTGTGCTTCG
 TGCCCTACAACAGCAGCTGGCGGTCTACGGGTGCTGCGGAGCAAGCTGGTGGCGGCCA
 GCGTGCCTGCCCGCATCGCGTGC GCGGGGTGCTGATGGTGTGGTGTGCTGGCCGGCG
 CCAACTGCGTGTGGACCCGCTGGTGTACTACTTTAGCGCCGAGGGCTTCCGCAACACC
 TGCGCGGCTGGGCACTCCGACCGGGCCAGGACCTCGGCCACCAACGGGACGCGGGCGG
 CGCTCGCGCAATCCGAAAGGTCCGCGTACCACCGACGCCACCAGGCGGATGCCGCCA
 GTCAGGGGCTGCTCCGACCTCCGACTCCCACTCTGTCTTCTTCCACACAGTGTCCCC
 AGGATTCGCGCCCTCTGAACACACATGCCATTGCGCTGTCCGTGCCGACTCCCAACGCCT
 CTGTTCTGGGAGGCTTACAGGGTGTACACACAAGAGGTGGGCTGGGCATTGGACCTT
 TGGGTGGCAATCCAGCTTAGCAACGCAGAAGAGTACAAAGTGTGGAAGCCAGGGCCAG
 GGAAGGCAGTGTGCTGGAAATGGCTTCTTTAACTGTGAGCACGCAGAGCACCCCTTCT
 CCAGCGGTGGGAAGTGTGCAGAGAGCCACCCGTGCAGAGGGCAGAAGAGGACGAAATG
 CCTTTGGTGGCAGGGCATTAACTGCTAAAAGCTGGTATGATGGAACAGAAAAATGGGC
 ATCTGGATCTAAACCGCACAGGGGCTGAGAGCTGAAGAGCACCAGGTTTGGTGGACA
 AAGCTACTGAGATGCCTGTTTCTGCTGACTTCTGTCTAGGCTCATGGATGCCACCCCC
 TTTCAATTCGGCCTAGGCTTCCCTGCTACCCTGAGGCTAATACAAGAGTTCCTATG
 GACAGAATACATTCTTCTCGCATAGTACTTGTGACAATTTAGACTTGGCATCCAGCA
 TGGGATAGTTGGGGCAAGGCAAACTAAGTATAGAGTTTCCCCCTCAACAACATCCAAGTC
 CAAACCTTTTTAGGTTATCCTTTCTTCCATCACATCCCCTTTTCCAGGCCTCCTCCATT
 TTAGGTCCTTAATATTCTTTCTTTTCTCTCTCTCTCGTTTTCTCTTCTCTCTCTCTC
 CTC
 ATAAAATCTTTCTACTAAAGACTGGTTCTCAAATTTTTGGTCTCAGACCCCACTCTT
 AGAAATTAAGGCAATACATTTTTAAAATAAATACACATGCACACATTACATTAGCCATG
 AGAAATTAAGGCAATACATTTTTAAAATAAATACACATGCACACATTACATTAGCCATG
 GGAGCAATAATGTCAACACACACTTCATGAAGCCTCTGGAAAATCTACAGTATACTT
 GTGAGAGAATGAGAGTGAAGGGACAAATAACATCTGTGTAGCAGTATTATGAAAATAGC
 TTGACCTCGTGGACTTCTCAGAGGTTGGTCCCTGGATCACACTTTGAGAACCATACTT
 GTCCTGAAGTATTGGAGTTCATGTCTAATTCTTCCAGGGCATTATGTACAGTGTCTTT
 TATTACTGTGGGAGAGGGCAGTCTAAATAAATAATCACTACTGATAGTCAAAAAAAA
 AA

Restriction Sites: Please inquire
ACCN: NM_001142961
Insert Size: 2700 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001142961.1.
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_001142961.1, NP_001136433.1</u>
RefSeq Size:	2695 bp
RefSeq ORF:	1119 bp
Locus ID:	57121
UniProt ID:	<u>Q9H1C0</u>
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	<p>This gene encodes a member of the rhodopsin class of G protein-coupled transmembrane receptors. This protein transmits extracellular signals from lysophosphatidic acid to cells through heterotrimeric G proteins and mediates numerous cellular processes. Many G protein receptors serve as targets for pharmaceutical drugs. Transcript variants of this gene have been described.[provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>