

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_020400 unedited NTTGTTCAAATTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACCAGCACAT TTCCCATGACCTCCCTCTGCTTGTGTTTGGGACCATGTCTGTACAGCCTCTAGGCCCCAGC CCCGGAGGTGAATGCCATGCCATGATTCTGGTGTGCTCCATGGCATCCCCAGCCTAGCTC CCAATCCCACCTTTGGCACGATGTAGCCAACAGCTCCTCAACCAACAGTTCTGTTCTCCC GTGTCTGACTACCGACCTACCCACCGCCTGCACTTGGTGGTCTACAGCTTGGTGGTGGC TGCCGGGCTCCCCCTCAACGCGCTAGCCCTCTGGGTCTTCTGCGCGCGCTGCGCGTGCA CTCGGTGGTGAGCGTGTACATGTGTAACCTGGCGGCCAGCGACCTGCTCTTACCCTCTC GCTGCCGGTTCGTCTCTCTACTACGCACTGCACCACTGGCCCTTCCCCGACCTCTGTG CCAGACGACGGGCGCCATCTTCCAGATGAACATGTACGGCAGCTGCATCTTCTGATGCT CATCAACGTGGACCGCTACGCCGCCATCGTGCACCCGCTGCGACTGCGCCACCTGCGGGC GCCCGCGTGGCGCGGTGCTCTGCCTGGGCGTGTGGGCGCTCATCTGGTGTGTTGCCGT GCCCGCCCGCGTGCACAGGCCCTCGCGTTGCCGCTACCGGGACCTCGAGGTGCGCT ATGCTTCGAGAGCTTCAGCGACGAGCTGTGAAAGGCAGGCTGCTGCCCTCGTGTGCT GGCCGANGCGCNTGGCTTCTGTGCCCTGGCCGGCGTGGGTCTACTCGTCGGCCGAGTC TTCTGGNACGCTGCGCGCCCCGACCCACGCAAACAGCGCGGGCGGAAGACGTGCGCTNC TGCTGGCTACCTCGCATTTTCTGTGGGCTCTGCC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_020400 unedited AATGAGGGTGNTAACTTTTATGCACTGCCCTCTCCCCAGTAATAAAAAGCACTGTACA TAATGTCCCTGGNAAGAAGTTAGACATGAACTCCAATACTTCAGGACAAGTATGGTTCT CAAAGTGTGATCCAGGGACCAACCCTCTGAGGAAGTCCACGAGGTCAAGCTATTTTCATA TACTGCTACACAGATGTTATTTGTCCCTTTCCTCTCATTTTTTACAAGTATACTGTA GAGTTTTCCAGAGGCTTCATGAAGTGTGTGGTGGTACATTATTGCTCCCATGGCTAATGT AATGTGTGCATGTGATTTATTTAAAAATGTATTCGCTTAAATTTCTAGTATGGTAAGT ATCAAAAGAACAATAAAGCAAAGCTCTTTGAGATCCTCAATTTCTAAGAGTGGGGTC TGAGACAAAAAGTTTGAAGAACCAGTGCTTTAGTAGAAAGATTTTATCCTTACTCTGGA CAAAGGAGAGAGAGGGAGAGAGAGAGAACAGGAGAAGAGAGAGGAGAGGACAGAGAATAT AGAAACGAGAGAGAGATAAAGAAGATTTTAAAGACCTAAAAATGGATGAGGCCTGGAAA AGGTGATGTGATGGAAGATAGGATAACCTAAAAAAGGGTTCGGACTTGGATGTCGTTGAT GGGGAACTCTAAGTTAGTTTTTGTCTTTGCCCAACTATCCATGCTTGAATGCCAGTCT AAATTGTTACAAGTCACTATGCGAGAAAGATGTATTTCTGTCCATTAGAATTTTTGTTTT AAGCCTTAATGGTGAACACGGGAAGCCTCAGCCCAATGTAAGGTGGGGCACTCCTAGCC TAGAAAGAAGTAGGCATTGAACAGGCTTTTCATAACTTTGTCCCCAAACCTGTGGCTTT TAGCTTTAGGCCCTGTGTTGTTAATACACAAGGCCATTTTTTTGGCCCTCTAACCA CCTTTTACACGTTAACGC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_020400
Insert Size:	2680 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).
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_020400.4](#), [NP_065133.1](#)

RefSeq Size: 2907 bp

RefSeq ORF: 1119 bp

Locus ID: 57121

UniProt ID: [Q9H1C0](#)

Cytogenetics: 12p13.31

Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: 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]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.