

Product datasheet for SC108414

GPR62 (NM_080865) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR62 (NM_080865) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR62
Synonyms:	GPCR8; KPG_005
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108414 sequence for NM_080865 edited (data generated by NextGen Sequencing)

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ATGGCCAACCTCCACAGGGCTGAACGCCTCAGAAGTCGCAGGCTCGTTGGGGTTGATCCTG
GCAGCTGTCGTGGAGGTGGGGGCACTGCTGGGCAACGGCGCGCTGCTGGTGTGGTGGTCTG
CGCACGCCGGACTGCGCGACGCGCTCTACCTGGCGCACCTGTGCGTCTGGACCTGCTG
GCGGCCGCTCCATCATGCCGCTGGGCCTGCTGGCCGACCGCCCGGGCTGGGCCG
GTGCGCCTGGGCCCGCGCCATGCCGCGCGCTCGCTTCTCTCCGCCGCTCTGTGCCG
GCCTGCACGCTCGGGGTGGCCGCACTTGGCCTGGCAGCTACCGCCTCATCGTGCACCCG
CTGCGGCCAGGCTCGCGGCCCGCCTGTGCTCGTGTCTACCGCCGTGTGGGCCGCGGG
GGACTGCTGGGCGGCTCTCCCTGCTCGGCCCGCCCGCCGACCGCCCCCTGCTCCTGCT
CGCTGCTCGGTCTGGTGGGGGCTCGGGCCCTCCGGCCGCTCTGGGCCCTGTGGCC
TTTCGCGCTGCCCGCCCTCCTGCTGCTCGGCGCCTACGGCGGCATCTTCGTGGTGGCGCGT
CGCGCTGCCCTGAGGCCCCACGGCCGGCGCGGGTCCCGACTCCGCTCGGACTCTCTG
GATAGCCGCTTTCCATCTTGCCGCCACTCCGGTCTCGCCTGCCCGGGGCAAGGCGGCC
CTGGCCCCAGCGCTGGCCGTGGGCCAATTTGCAGCCTGTGGTGCCTTATGGTGTGCGG
TGCCTGGCGCCCGCAGCGCGGGCCGCGGAAGCCGAAGCGGCTGTACCTGGGTGCGCTAC
TCGGCCTTCGCGGCTCACCCCTTCTGTACGGGCTGTGCAGCGCCCCGTGCGCTTGGCA
CTGGGCCGCTCTCTCGCCGTGCACTGCCTGGACCTGTGCGGGCTGCACTCCGCAAGCC
TGGCACCCGCGGGCACTTTGCAATGCCCTCCAGAGACCCCGAGAGGGCCCTGCCGTAGGC
CCTTCTGAGGCTCCAGAACAGACCCCGAGTTGGCAGGAGGGCGGAGCCCCGCATACCAG
GGGCCACCTGAGAGTTCTCTCTCTGA

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Clone variation with respect to NM_080865.3
451 a=>c;647 a=>g;687 g=>a;694 c=>t



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080865 unedited NNNNGGGGNAAGTTCAATATTTGTTAAACGACTCACTATCAGGNCGTGGCGCGNAATTC GTCGAGGAGCGGATACCATCTCCGACAGGGCTGAGTTGCTGGAGCTGGGCTGGGGCAGGN GGAGAAAGACAGCAGACTCATCCTTGACCCCTCCATGGGCTGGCCAAGCCCCAAGAG GATGGCAGCCTGGGCGTCGGAGCCACCTCCTGGGAGCCAATGAGGTGAGGGGCCGGAGG AGCAAGGGACAAGAGGAGCAGAGGACAGGTGATGAAATCCTGCAGCTTTAGGCTCCATT CTGCCATCTACATCCCAGCGCAGGGTGAAGCCTGAGAGCCCAAATGGCCAACCTCCACAGG GCTGAACGCCTCAGAAGTCGACAGGCTCGTTGGGGTTGATCCTGGCAGCTGTCGTGGAGGT GGAGGCACTGCTGGGCAACGCCCGCTGCTGTTCTGTTGCTTGCACAACCGGGACTTGGC AAAACCTTTATTTGGGGCCCTTTGGGGTTGGGAACCATGGGGGGGCGCCGCCCAAA AAAAGGGGTGGGGGGGGGGGGCCCCCCCCCCCCGGGGGGGGGGGGGTTTTTTTGG TGGGGCCCCCAAAAAAACCAATACATATTTTTTTTCTTCCACCCACCATTTTCCG CGCCGCCCAACAAAGGAGGGGGGGGGGGCGCTTTTTTTTATTTNCCCACCACTT AATATATAAAAAACACAACCAAAAGGGAACAGGACCGCAACCCACTTATTTTTTCTT TATAAACGAGGGACTTTNTATGGGGGGGGGAAGGGGGTATTTTTTTTTTTTTTTTTT TTAANAACAAACCGCCACCCNAACTTGTAAATTAATTAATAGTAAATAGGGGGAG GAGGGGGGGCGG
Restriction Sites:	Please inquire
ACCN:	NM_080865
Insert Size:	1500 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:	<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_080865.2 , NP_543141.2
RefSeq Size:	2139 bp
RefSeq ORF:	1107 bp
Locus ID:	118442
UniProt ID:	Q9BZJ7
Cytogenetics:	3p21.2
Protein Families:	Druggable Genome, GPCR, Transmembrane

Gene Summary:

Orphan G-protein coupled receptor. Constitutively activates the G(q/11)/inositol phosphate and the G(s)-alpha/cAMP signaling pathways (PubMed:28827538). Has spontaneous activity for beta-arrestin recruitment (PubMed:28827538). Shows a reciprocal modulation of signaling functions with the melatonin receptor MTNR1B most likely through receptor heteromerization (PubMed:28827538).[UniProtKB/Swiss-Prot Function]