

Product datasheet for **MC215044**

Gpr62 (NM_001159652) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpr62 (NM_001159652) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gpr62
Synonyms: 4933402E03Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215044 representing NM_001159652
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAACGGCTCGGGGCTCAGCGTCACCGAACTCGGGGCTCGGTGGGGTTTATCCTGGCGGTTCTCG
 TAGAGGTGGGGCCGTGCTGGGCAACGGCACTCTGCTCGTGGTGGTGTGCTGCGCACGCCGACCTTCAAGA
 TGCTTTACTTAGCGCACTTGTGCGTCTGGACCTGCTGGCGGCTGCCTCCATCATGCCTCTGGGCCTG
 CTGGCCGCGCCGCCGGGCTGGGCACTGTGCCCTGGACCCCTCGTCTGCGGAGCGGCGGCTTCTCT
 CGGCGGCTCTGCTCCCCGCATGCACGCTCGGCGTGGCCGCTCTCGGCTGGCGCGCTACCGCCTCATAGT
 GCATCCGCTGCGGCCAGGCGCGCGCCCGCGCTGGTGTCTCACCGCGGTGTGGTCCGCGGCCGCG
 CTCCTGGGCGCGCTCTCCTTGTCTGGGCCACCGCTGCGCCACCTCCGGCCCCAGCTCGCTGCTCCGTCC
 TGGCCGGGGGCTCGGGCCCTCCGGCCGCTCTGGGCGATGCTAGCCTTCGCGCTGCCCGCCCTCCTGCT
 GTTGGCCGCTACGGTAGCATCTTCTGGTGGCGCGCGCCGCCCTCCGGCTCCGCGCGGGACCCGG
 CCCCCTCCGACTCTTAGACAGTCGCTCTCCTTCTTGGCCGCCCTCCGGCCACGTCTGCTGGGGGCA
 AGGCGCCCTGGCCCCAGCCCTGGCCGTGGCCAGTTTGCAGCCTGCTGGCTGCCTATGGCTGCGCGT
 CTTGGCGCCCGCGCGCGCGCCGAGGCTACTGTACCTGGTAGCCTACTCCGCTTCGCG
 GCTCACCCCTTTCTATGGCCTGCTGCAGCGCCGCTGCGCCTGGCGCTGGGCCGCTTACCCGCGAG
 CGCTGCTCGGGCCCCGAAAGCCTGCACATCGCAAGCCTGGCACCTGCAGACACTCTTCGGCGCTCCA
 GGAAGTCCGCAAGGACCTGTCTAGGCCCTTCTGAGGCACCAGAACAGGCCGAGAATTGGCAAGACAG
 ACCCCGAGTGTGCAGAGGCCACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001159652



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Insert Size:	1077 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:	<u>NM_001159652.1</u> , <u>NP_001153124.1</u>
RefSeq Size:	1981 bp
RefSeq ORF:	1077 bp
Locus ID:	436090
UniProt ID:	<u>Q80UC6</u>
Cytogenetics:	9 F1
Gene Summary:	Orphan G-protein coupled receptor. Constitutively activates the G(q/11)/inositol phosphate and the G(s)-alpha/cAMP signaling pathways (PubMed:28912303). Has spontaneous activity for beta-arrestin recruitment (By similarity). Shows a reciprocal regulatory interaction with the melatonin receptor MTNR1B most likely through receptor heteromerization (By similarity). [UniProtKB/Swiss-Prot Function]