

Product datasheet for MR217731

Gpr62 (NM_001159652) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr62 (NM_001159652) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr62
Synonyms:	4933402E03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217731 representing NM_001159652 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAACGGCTCGGGGCTCAGCGTCACCGAACTCGGGGCTCGGTGGGTTTATCCTGGCGTTCTCG
TAGAGGTGGGGCCGTGCTGGGCAACGGCACTCTGCTCGTGGTGGTGCTGCGCACGCCGGACCTCAAGA
TGCCTTACTTAGCGCACTTGTGCGTCGTGGACCTGCTGGCGGCTGCCTCCATCATGCCTCTGGGCCTG
CTGGCCGCGCCCGGGGCTGGCACTGTGCCCTGGACCCCTCGTCGTGCCGAGCGCGCGCTTCTCT
CGGCGGCTCTGCTCCCCGATGCAGCTCGGCGTGGCCGCTCTCGGCCTGGCGCGCTACCGCCTCATAGT
GCATCCGCTGCGGCCAGGCGCGGCCCGGGCGCCGCGCTGGTGTCTACCGCGGTGTGGTCCGCGGCCGCG
CTCCTGGGCGCGCTCTCCTTGCTCGGGCCACCGCCTGCGCCACCTCCGGCCCCAGCTCGTGTCTCCGTCC
TGGCCGGGGGGCTCGGGCCCTCCGGCCGCTCTGGGCGATGCTAGCCTTCGCGCTGCCCGCCCTCTGCT
GTTGGCCGCTACGGTAGCATCTTCTGGTGGCGCGCGCGCCGCTCCGGCCTCCGCGCGGGACCCGG
CCCCGCTCCGACTCTTAGACAGTCGCCTCTCCTTCTTGGCCGCCCTCCGGCCAGTCTGCTGGGGGCA
AGGCGGCCCTGGCCCCAGCCCTGGCCGTGGGCCAGTTGACGCTGTGGTGCCTATGGTGCAGCGTG
CTTGGCGCCCGCGCGCGCGCCGAGCGGCCGAGGCTACTGTACCTGGTAGCCTACTCCGCTTCGCG
GCTCACCCCTTCTCTATGGCCTGTGACGCGCCGGTGGCGCTGGCGCTGGGCCGCTTACCGCCGAG
CGCTGCCTCGGGCCCCGAAAGCCTGCACATCGCAAGCCTGGCACCTGCAGACTCCTTCGCGCCCTCCA
GGAACCTCCGCAAGGACCCTGTCTAGGCCCTTCTGAGGCACCAGAACAGGCCGAGAATTGGCAAGACAG
ACCCCGAGTGTGTAGAGGCCACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001159652.2](#)

RefSeq Size: 1981 bp

RefSeq ORF: 1077 bp

Locus ID: 436090

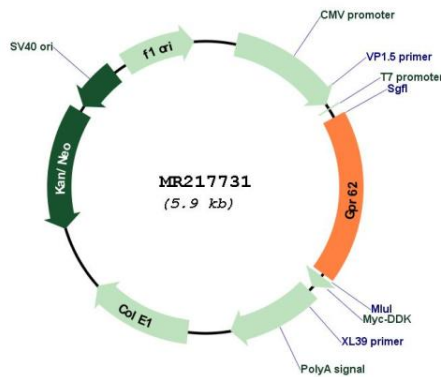
UniProt ID: [Q80UC6](#)

Cytogenetics: 9 F1

MW: 37.6 kDa

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]

Product images:



Circular map for MR217731