

Product datasheet for **MC216046**

Gpr61 (NM_175470) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr61 (NM_175470) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpr61
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216046 representing NM_175470
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCTCACCCATCCCCAGTCATCAGAACTCGTCCACTTTGGGAAGGGCCCTTCAAACCCAG
GTCCCTCTACTGCCAGCGGGTCCAGAGTTGGGATTACGGGACGTGGCTTCAGAATCTGTGGCCCTCTT
CTTCATGCTCCTGTTGGATCTCACTGCTGTGGCTGGCAATGCTGCTGTGATGGCTGTTATTGCCAAGACA
CCCGCCCTCCGAAAATTTGTTTTGTCTTCCATCTTTGTCTGGTGGACCTGCTGGCTGCCCTGACCTCA
TGCCGCTTGCCATGCTCTCCAGCTCTGCCCTCTTTGACCAGCCCTCTTTGGGAGGTGGCTGCCGCT
CTACCTGTTCTGAGCGTTTGTCTTGTGAGCCTGGCCATCCTTTCGGTGTCTGCCATTAATGTGGAGCGC
TACTATTATGTGGTCCACCAATGCGCTACGAGGTGCGCATGACACTAGGGCTGGTGGCCTCCGTGCTGG
TGGCGTGTGGGTAAGGCCCTAGCCATGGCTTCTGTGCCAGTGTGGGAAGGTCTACTGGGAGGAAGG
AGCTCCAGTGTTAACCCCGCTGTTCTCTCAATGGAGCCATAGTGCCTACTGCCAGCTTTTTGTGGTG
GTCTTTGTCTGTTCTGACTTCTTGTGCTGCCCTTGATCCTGATCTTTGTGGTCTACTGCAGCATGTTTCGAG
TGGCTCGCGTGGCTGCCATGCAACACGGGCCGTGCCACGTGGATGGAGACGCCCCGGCAACGCTCTGA
GTCTCTCAGTAGCCGCTCACTATGTTACCAGCTCCGGGGCTCACCCAGACCACCCACACCGGACGTTT
GGGGTGGGAAGGCAGCAGTGGTCTCCTGGCTGTAGGGGGACAGTTCCTGCTTTGTTGGTTGCCCTACT
TCTCTTCCATCTCTATGTTGCCCTGAGCGCACAGCCATTTACGAGGACAGGTGGAGAACGTGGTAAC
CTGGATTGGCTACTTTTGCTTCACTTCAACCCCTTTTCTACGGATGTCTCAACCGTCAGATCCGGGGC
GAGCTTAGCAAACAGTTTGTCTGCTTCTCAAGGCAGCTCCAGAGGAGGAGCTGAGGCTGCCTAGTCGTG
AGGGCTCCATTGAGGAGAATTTCTGCAGTTCCTCCAGGGACCTCTGAGAACTGGGTTTCTCGGCCCT
ACCCAGTCTTAAGCGGGAGCCACCCCTGTTGTTGACTTTCGAATCCAGGCCAGATTGCTGAGGAGACC
TCAGAGTTCCTGGAGCAGCAACTCACCAGCGACATCATCATGTCCGACAGCTACCTCCGTCGCCCCCT
CACCAAGGCTGGAGTCA TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3146_c06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_175470

Insert Size: 1350 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_175470.4](#), [NP_780679.2](#)

RefSeq Size: 3686 bp

RefSeq ORF: 1350 bp

Locus ID: 229714

Cytogenetics: 3 F2.3

Gene Summary: Orphan G-protein coupled receptor. Constitutively activates the G(s)-alpha/cAMP signaling pathway (By similarity). Shows a reciprocal regulatory interaction with the melatonin receptor MTNR1B most likely through receptor heteromerization (By similarity). May be involved in the regulation of food intake and body weight (PubMed:21971119).[UniProtKB/Swiss-Prot Function]