

Product datasheet for **MC216331**

Gpr22 (NM_175191) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr22 (NM_175191) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpr22
Synonyms:	2900068K05Rik; AW061316
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216331 representing NM_175191
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCAGAATTGTCAATGACATCATGTATCAATTTGTGGAAAACCTACCATGGTGAGCCCAAAGGCCATA
AAGCAACAGTAAACAGGCAAAACACCAACTGCTCCAAAAGAATGTGTTTTCTCCTGTTCTGGAAATCAA
CATGCAGTCTGAATCAAACGTCACGGTGCAGATGACATTGATGACATCGACACCAATATGTACCAACCA
CTGTACATACCCACTAAGCTTTCAAGTGTCTCTCACTGGATTTTCATGTTAGAGATCGTGTGGGGCTTG
GCAGCAACCTTACCGTCTGGTACTTTACTGCATGAAATCCAACCTAATCAACTCTGTCAGTAACATTAT
TACAATGAACCTCCATGTACTTGTATGTCATAATTTGTGTGGGATGCATTCCTCTAACTATAGTGATCCTT
CTGCTCTCACTGGAGAGTAACACTGCTCTCATCTGCTGTTCCACGAAGCTTGTGTTTCTTTGCAAGTG
TTTCGACAGCAATCAACGTTTTTGCTATTACTCTGGACAGATATGACATCTCTGAAAACCTGCAAAACAG
AATTCTGACAATGGGCAGAGCTGTAATGCTAATGACATCCATTTGGATTTTTTCTTCTTCTCATTCTCTG
ATTCCCTTCATTGAAGTAAATTTTTTCAGTCTTCAAAGTGGAAATACATGGGCAAAACAAGACACTGCTGT
GTGTCAGTACAAGTGAATACTATACTGAGCTCGGGATGTACTATCACCTTTTGGTGCAGATCCCCATCTT
CTTCTTACAGTTATAGTCATGTTGATCACATACTAAGATACTCCAGGCTCTTAACATCCGCATAGGC
ACTAGATTCTCAACAGGACAGAAGAAGAAAGCCCGAAAGAAAAGACAATCTCTCTAGCTACACATGAGA
CCACAGACATGTCACAAAGCAGTGGTGGGAGGAATGTCGTGTTTGGTGTGAGAACTTCAGTTTCTGTAAT
AATTGCCCTCCGGCGAGCCGTGAAACGCCACCGGGAACGACGAGAACGGCAGAAAAGAGTCTTCAAATG
TCGTTATTGATTATTTCTACATTTCTTCTGTTGGACACCAATTTCTGTTTTAAATACCACCATTCTAT
GTTTAGGCCCAAGTGACCTTTTAGTAAAATTAAGATTGTGTTTTCTAGTCATGGCTTATGGAACAACGAT
ATTCCACCCTCTCTTGTATGCATTCAACAGACAAAAGTTTCAAAGGTCTTAAAGAGTAAGATGAAAAAG
CGAGTTGTTTCCATAGTTGAAGCTGATCCCATGCCTAATAACGCTGTAATACACAACCTATGGATAGATC
CTAAAAGAAAACAAAAGGTTACCTATGAAGACAGTAAAATAAGAGAGAAATGTTTAGTACCTCAGGTTGT
CACAGAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_175191

Insert Size: 1410 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_175191.4, NP_780400.2](#)

RefSeq Size: 4587 bp

RefSeq ORF: 1410 bp

Locus ID: 73010

UniProt ID: [Q8BZL4](#)

Cytogenetics: 12 A3

Gene Summary: Orphan G-protein coupled receptor. Seems to act through a G(i)/G(o) mediated pathway (By similarity). May be involved in ciliogenesis (By similarity).[UniProtKB/Swiss-Prot Function]