

Product datasheet for **RN202653**

Gpr22 (NM_001106722) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr22 (NM_001106722) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpr22
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202653 representing NM_001106722
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCAAATTGTCAATGACATCATGTATCAATTTGTGGAAAACCTACCATGGTGAGCCAAAAGGCCATA
 AAGCAACAGCGAACAGGGGAAATACCAACTGCTCCAAAAGAATGTGTTTTCTCCTGTTCTGGAAATCAA
 CATGCAGTCTGAATCAAACGTCACGGTGCAGAGATGACATTGAGGACATCGATACCAATATGTACCAACCA
 CTGTACATACCCATTAAGCTTTCAAGTGTCTCTCACTGGATTTTCATGTTAGAAATTGTGCTGGGCTTG
 GTAGCAACCTTACCGTACTGGTACTTTACTGCATGAAATCCAACCTAATCAGCTCTGTCAGTAACATTAT
 CACAATGAATCTCCATGTACTTGATGTAATAATCTGTGTGGGATGATTCTCTAACCATAGTGATCCTT
 CTGCTCTCACTGGAGAGGAACACTGCTCTCATCTGCTGTTCCACGAAGCTTGTGTTCTTTTGCAAGTG
 TTTCCACAGCAATCAACGTTTTTGCTATTACTCTGGACAGATATGACATCTCTGTAACCTGCAACAG
 AATTCTGACAATGGGCAGAGCTGTGATGCTAATGACGTCCATTTGGATTTTTCTTCTTCTCATTCTCTG
 ATTCCCTTCATTGAAGTCAATTTTTTCAGCCTTCAAAGTGGAAATGCGTGGGAAAACAAGACACTGCTGT
 GTGTCAGCACAAGTGAGTACTACTGAGCTCGGGATGTACTATCACCTCCTAGTTCAGATCCCCATCTT
 CTTCTTACAGTTATCGTGATGCTGATCACATACCAAGATACTCCAGGCTCTTAATATCCGGATAGGC
 ACTAGATTCTCAACAGGCCAGAAGAAGAAAGCCCGGAAGAAAAGACAATCTCTTAACCACACATGAGA
 CCACAGACATGTCGCAAAGCAGTGGTGGGAGGAATGTCGATTTGGTGTGAGAACTTCAGTTTCTGTAAT
 AATTGCCCTCCGGCAGCCGTGAAACGACACCGGGAACGACGAGAGAGGCCAGAAAAGAGTCTTCAAATG
 TCGTTATTGATTATTTCTACATTTCTTCTGTTGGACACCAATTTCTGTTTTAAATACCACCATTTTAT
 GTTTAGGCCCAAGTGACCTTTTAGTAAAATTAAGATTGTGTTTTCTAGTCATGGCTTATGGAACAACAT
 ATTCCATCTCTCTGTATGCATTCAACAGACAAAAATTTCAAAGGTCTTAAAAAGTAAGATGAAAAAG
 CGAGTTGTTTCCATAGTTGAAGCTGATCCCATGCCTAATAACGCTGTAATACACAACCTATGGATAGATC
 CTAAGAAGAAAACAAAAGGTTACCTACGAAGACAGTGAAATAAGAGAGAAATGTTTAGTACCTCAGTTGT
 CACAGAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001106722

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_001106722.1](#), [NP_001100192.1](#)
RefSeq Size: 4537 bp
RefSeq ORF: 1410 bp
Locus ID: 298944
UniProt ID: [D4A3U0](#)
Cytogenetics: 6q16
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]