

Product datasheet for **RN216973**

Gpr50 (NM_001191915) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr50 (NM_001191915) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gpr50
Synonyms:	H9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216973 representing NM_001191915
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACGGTCCCCAAGAGCAACATGGGACCTACGAAGCAATTCACCCCATTCGGCTGCATTAGCT
 GTAAGCTGCCAAAGCCGACTACCCACCCAGCGCTAATCATCTTCGTGTTCTGCGCAATGGTCATCACTGT
 CGTCGTAGACCTGATTGGAACTCCATGGTCATTTGGCTGTGACCAAGAACAAGAGCTCCGAAATTCT
 GGCAACATCTTTGTGGCCAGCCTCTCTGTGGCAGACATGCTCGTGGCCATCTACCCGTACCCTTTGATGC
 TGTATACCATGTCAGTTGGGGGCTGGGATCTGAGTCAGCTCCAGTGCCAGATGGTCGGTTGGTACAGG
 ACTGAGTGTAGTCGGTTCTATCTTCAACATTACTGCCATTGCCATCAACCGGACTGCTACATCTGCCAC
 AGCCTCCAGTACAAGCGGATCTCAGCCTGCGCAACACTTGCATCTATCTGGTTGTACCTGGGTACATGA
 CTGTTCTGGCTGTCTGCCTAATGTGTACATTGGCACCATTGAGTATGACCTCGCACCTACACCTGCAT
 CTTCAACTATGTGAACAACCCCTGCCTTTACTGTGACCATTGTCTGCATCCACTTCGTCCTCCTCTCATC
 ATAGTCGGTTATTGCTACACAAAAATCTGGATCAAAGTCTGGCAGCCCGGGACCCAGCTGGACAGAATC
 CTGACAACCAGTTTGTGAGGTTTCAAATTTTCTAACCATGTTTGTGATCTTCTCCTTTTTGCAGTGTG
 CTGGTGCCTGTCAATGTGCTCACTGTGCTGGTGGCTGTCATTCCAAAGGAAATGGCAGGCAAGATCCCC
 AACTGGCTTTATCTTGCAGCCTACTGCATAGCCTACTTCAACAGCTGCCTCAACGCCATCATCTACGGTA
 TCCTCAATGAGAGTTCCGAAGAGAATACTGGACCATCTCCATGCTATGCGGCACCCTATCCTGTTTCAT
 CTCTCACCTCATCAGCGCTATTCGGGAGGCTTGGGAGACCCGAGTTCTCACTCGTGCCCGCTCCGTGCC
 CGTGATCAAGTCCGAGAACAAGATCGTGCTCGTGCTGTGTCGCTGTGGCGGGAACCCCGAGGAACGTCC
 GGAATGTTCTACTGCCTGGTGTGATGCAGCAGCATCCCCTTCTGATCGTGCCTCTGTCCGTCCTCAAGTCCCA
 AACCGAGTCTACTTCTGTCTACCGCAAACCTGCCTCTATCCACCATAAGTCTATTTCTGGTCAACCCAAAG
 TCTGCCTCTGTCTACCCTAGCCAGCTTCTCTGTCCATTGCAAACCTGCCTCTGTCCATTTCAAACCCA
 CATCTGTTCAATTTCAAGGGCGACTCTGTCTATTTCAAGGGAGACACTGTCCATTTCAAGGGCTGCTTCCAA
 ACTTGTCAACAGTCACCGTATCTCTGCTGGCCCTTCCACCAGTACCCTACATCCATGGCTGGCTACATT
 AAATCTGGTACCAGCCACCGTGCAGCACCCTGTTGACTATCTCGAACCTGCCACCACCAGCCACTCTG
 TGCTCACTGCTGTCGACCTCCCTGAGGTCTCAGCCTCCATTGCCTTGAGATGACCACCTTTGGCCACT
 CAAACCCGACATTCCTGCCTCCATCCTTCCACTGTACCCCTGAGCTTGCTGTACCTCTGCCACCCCT
 CCTGATGCCACTGTAATCCCATTTCCACTGGTATTACCGCAAGGTCGTGCTTATTGATGATGATTCCG
 ATGATTCTGATTGTTCTGATGAGATGGCGGT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001191915
- Insert Size:** 1785 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001191915.1](#), [NP_001178844.1](#)

RefSeq Size: 2012 bp

RefSeq ORF: 1785 bp

Locus ID: 117097

Cytogenetics: 17p12

Gene Summary: orphan G-protein coupled receptor, similar to melatonin receptors except for that it doesn't bind melatonin; may be involved with neuroendocrine function [RGD, Feb 2006]