

Product datasheet for **MC219387**

Gpr50 (NM_010340) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr50 (NM_010340) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpr50
Synonyms:	H9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_010340, the custom clone sequence may differ by one or more nucleotides

```

ATGGCCACGGTCCCCAAGAGCAACATGGGACCTACAAAGGCGGTTCCACCCCATTCGGCTGCATTGGCT
GTAAGCTGCCAAAGCCCGACTACCCGCCAGCTCTAATCATCTTCATGTTCTGCGCAATGGTCATCACAGT
CGTCGTAGACCTGATCGGGAACCTCATGGTCATTTTGGCTGTGACCAAGAACAAGAAGCTCCGAAATTCT
GGCAACATCTTTGTGGCCAGCCTCTCTGTGGCAGACATGCTGGTGGCCATCTACCCCTACCCTTTGATGC
TGTATGCCATGTCAAGTTGGGGGCTGGGATCTGAGTCAGCTCCAGTGCCAGATGGTCGGGTTGGTCACAGG
ACTGAGCGTAGTCGGTTCCATCTTCAACATTACTGCCATTGCCATCAACCGTTACTGCTACATCTGCCAC
AGCCTCCAATAACAAGCGGATCTTCAGCCTGCGCAACACTTGCATCTATCTGGTCGTTACCTGGGTATGA
CTGTCTGGCTGTCTGCCTAACATGTACATTGGCACCATTGAGTATGACCTCGCACCTACACCTGCAT
CTTCAACTATGTGAACAATCCTGCCTTTACCGTGACCATTGTCTGCATCCACTTCGTCTCCTCTCATC
ATAGTTGGTTATTGCTACACGAAAATCTGGATCAAAGTGCTGGCAGCCCGTGACCCAGCTGGACAGAATC
CTGACAACCAAGTTTGTGAGGTTGAAATTTTCTAACCATGTTTGTGATCTTCTCCTTTTGCAGTGTG
CTGGTGCCCTGTCAATGTGCTCACTGTGTTGGTGGCTGTCAATCCAAAGGAAATGGCAGGCAAGATCCCC
AACTGGCTTTATCTTGCAGCCTACTGCATAGCCTACTTCAACAGCTGCCTCAACGCCATCATCTACGGTA
TCCTCAATGAGAGTTTCCGAAGAGAATACTGGACCATCTTCCATGCTATGCGGCACCCTATCCTGTTTCA
TCTCACCTCATCAGTGATATTCGGGAGACTTGGGAGACCCGAGCTCTCACTCGTGCCCGTGTCCGTGCC
CGTGATCAAGTCCGAGAGCAAGAGCGTGCTCGTGCCTGTGTGCTGTGGAGGGGACCCCAAGGAACGTCC
GGAATGTTCTACTGCCTGGTGATGCATCAGCACCCCACTCTGATCGTGCTCTGTCCGTCCCAAGCCCCA
AACCAGGTCTACTTCTGTCTACCGCAAACCTGCCTCTATCCACCACAAGTCTATTTCTGGCCACCCCAAG
TCTGCCTCTGTTTACCCTAAGCCAGCCTCCTCTGTCCATTGCAAGCCTGCCTCTGTCCATTCAAACCCG
CCTCTGTTCAATTTCAAGGGTGACTCTGTCTATTTCAAGGGAGACACTGTCCATTACAGGGCTGCTTCCAA
ACTTGTCAACAGTCACCGTATCTCTGCTGGCCCTTCCACCAAGTCACCTACATCCATGGCTGGCTACATT
AAATCTGGTACCAGCCACCCTGCCACCACCACTGTTGACTATCTCGAACCTGCCACCACCAGCCACTCTG
TGCTCACTGCTGTGACCTCCCTGAGGTCTCAGCCTCCCATTCGCTTGAGATGACCAGCACTGGCCACCT
CAGAGCTGACATTTCTGCCTCTGTCTCTCTTCTGTACCTTCGAGCTTGCTGCCACCCCTCCTGATACC
ACTGCAATCCCCATTGCCTCTGGTGATTACCGCAAGGTCGTGCTTATTGATGATGATTCTGATGATTCTG
ATTGCTCTGATGAGATGGCTGTGTGA

```

Restriction Sites: SgfI-MluI

ACCN: NM_010340

Insert Size: 1776 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC137982](#), [AAI37983](#)

RefSeq Size: 1893 bp

RefSeq ORF: 1776 bp

Locus ID: 14765

UniProt ID: [O88495](#)

Cytogenetics: X 36.98 cM

Gene Summary: This gene encodes a multipass membrane protein that is thought to act as a G protein-coupled receptor. Activity of this protein may be important in neurotransmitter and glucocorticoid signalling. Mutation of this gene causes a decreased ability to maintain a constant body temperature, resulting in torpor, as well as an increased metabolic rate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).