

Product datasheet for **MC227093**

Gpr12 (NM_001010941) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gpr12 (NM_001010941) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Gpr12
 Synonyms: Gpcr01; Gpcr12; Gpcr20; Gpcr21
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC227093 representing NM_001010941
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACGAAGACCCGAAGGTCAATTTAAGCGGGCTGCCTCGGGACTGTATAGATGCCGGTGTCCAGAGA
 ACATCTCAGCCGCTGTCCCTCCAGGGCTCTGTTGCGGAGTCAGAACCCGAGCTCGTTGTCAACCCCTG
 GGACATTGTCTTGTGCGACTCAGGAACCCTCATCTGCTGTGAAAATGCCGTTGTGGTCTTATCATCTTC
 CACAGCCCAGCCTGCGAGCCCCATGTTCTACTGATAGGCAGCCTGGCTCTTGACAGACCTGCTGGCTG
 GCCTGGGACTCATCATCAATTTTGTGCGTACCTGCTTCAGTCAGAAGCCACCAAGCTGGTCCACAT
 CGGACTCATTGTGCGCTCTTCTCTGCCTCTGTCTGCAGTTTGCTGGCTATTACTGTGGACCGCTACCTC
 TCGCTATATTACGCCCTGACGTACCACTCCGAGAGGACCGTCACCTTTACCTATGTATGCTAGTGATGC
 TCTGGGAACTCCATCTGCCTGGGGCTGCTGCCCGTCATGGGCTGGAAGTCTTGAGGGACGAGTCCAC
 CTGCAGCGTGGTCAGACCTCTACTAAGAACAACGCTGCCATCCTCTCCATCTCCTTCTCTTATGTTT
 GCTCTGATGCTTCAGCTCTACATCCAGATTTGTAAGATTGTGATGAGGCACGCCCATCAGATAGCCCTGC
 AGCACCCTTCTGGCTACATCGCACTATGTGACTACCCGAAAGGGGTCTCGACCCTGGCTCTCATCCT
 AGGGACCTTTGCTGCCTGCTGGATGCCTTTACCCCTCTATTCTTGATCGCCGATTACACCTACCCCTCG
 ATCTATACCTATGCCACCTCTGCCCGCCACCTACAATTCCATCATCAACCCTGTCATTTACGCTTTCA
 GAAACCAAGAGATCCAGAAAGCCCTCTGCCTCATTTGCTGTGGGTGCATCCCTTCTCGCTGCTCAGAG
 AGCTCGGTCTCCAGCGATGT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001010941



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Insert Size:	1005 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:	<ol style="list-style-type: none">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:	<u>NM_001010941.2</u> , <u>NP_001010941.1</u>
RefSeq Size:	2485 bp
RefSeq ORF:	1005 bp
Locus ID:	14738
UniProt ID:	<u>P35412</u>
Cytogenetics:	5 G3
Gene Summary:	Receptor with constitutive G(s) signaling activity that stimulates cyclic AMP production (By similarity). Promotes neurite outgrowth and blocks myelin inhibition in neurons. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. Variants 1-5 all encode the same isoform (a).