

## Product datasheet for MR219454

### Gpr182 (NM\_007412) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpr182 (NM\_007412) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gpr182  
**Synonyms:** Admr; AM-R; G10-D; Gpcr17; Gpcr22; MB10; NOW  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR219454 representing NM\_007412  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCAGTCATACCCAGCCCCAGGCCCGTCTCCACCTTGAACCGGACAATGATTTAGAGACATCCACA  
 ACTGGACAGAGCTGCTCCACCTTTCAACCAGACCTTTACCGATTGCCACATAGAATTCAACGAGAACAC  
 CAAACACGTGGTCTCTCGTCTTCTACCTGGCCATCTTCGTGGTAGGCTTAGTAGAGAAGCTCCTGGTG  
 ATATGTGTCAACTGCCCGCTTCAGGCCGGTGGGATGCTGAACCTGTACATCCTCAACATGGCCATCG  
 CAGACCTGGGCATCATCCTGTCTGCCTGTTGGATGCTGGAGGTCATGCTGGAGTACACTTGGCTCTG  
 GGGCAGCTTCTCCTGTGCTTATTATTATTTCTACCTTGCAACATGTACAGCAGCATCTTCTCCTG  
 ACGTGCCTCAGCATTGACCGCTACGTACCCCTACCAACACCTCTCCCTCCTGGCAGCGCCACCAGCACC  
 GAATACGGAGGGCCGTGTGCGCAGGCGTCTGGTCTCTCCGCCATTATCCCACTGCCGGAGGTGGTGCA  
 CATCCAGCTGTTGGATGGCTCCGAGCCCATGTGCCTTCTCCTAGCACCTTTGAAACGTACAGCGCCTGG  
 GCCCTGGCAGTGGCCCTGTGCGCCACCATCCTGGGCTTCTACTGCCTTTTCTTCTCATCGAGTGTCA  
 ATATCCTGACAGCCTGCCGGCTTCGGAGGCAAAGGCAGACGGAGAGCAGGCGCCACTGCCTGTTGATGTG  
 GGCTTACATAGTTGTCTTTGCCATCTGCTGGCTGCCCTACCAAGTGACTATGCTGCTGCTCACTGCAC  
 GGGACCCACATCTCTCCACTGCACCTGGTTAACCTTCTACTTCTTCTACGAAATCATCGACTGCT  
 TTCCATGCTGCACTGTGTGGCCAACCCATCCTCTACAACCTTCTCAGCCCGAGCTTCCGGGGCCGACT  
 GCTGAGCCTTGTGGTCCGTTACCTTCCCAAGGAGCAGGCCAGGGCAGCAGGTGGTCGAGCCTCCTTCT  
 TCTTCCACCCAGCACTCCATCATCATTACCAAAGAGGGCAGCCTGCCCGCTGCAGCGGATCTCCACACC  
 ACCCCATCCGAAACGTTACGGCGTCTCTCCGCTCCAAACACCTCACCTACACTCTGCAATTCTGTAGC  
 CAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR219454 representing NM\_007412  
Red=Cloning site Green=Tags(s)

MSVIPSPRPVSTLEPDNDFRDIHNWTELLHLFNQTFDCHIEFNENTKHVVLFVYLAIFVVGLVENVLV  
 ICVNCRRSGRVGMLNLYILNMAIADLGIIISLPVWMLVMEYTLWGSFSCRFIHYFYLVMYSSIFFL  
 TCLSIDRYVTLTNTSPSWQRHQHRIRRAVCAGVWVLSAIIPLPEVVHIQLLDGSEPMCLFLAPFETYSAW  
 ALAVALSATILGFLLPFLLIQVFNILTACRLRQRQTESRRRHCLLMWAYIVVFAICWLPYQVTMLLLTLH  
 GTHIFLHCHLVNLLYFFYEIIDCF SMLHCVANPILYNFLSPSFRGRLLSLVVRYPKEQARAAGGRASS  
 SSTQHSIIITKEGSLPAAADLHHPHPIRNVQASSPPPTSPPTLCNSVAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9018\\_f03.zip](https://cdn.origene.com/chromatograms/mm9018_f03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_007412

**ORF Size:** 1194 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_007412.2](#), [NP\\_031438.2](#)

**RefSeq Size:** 1694 bp

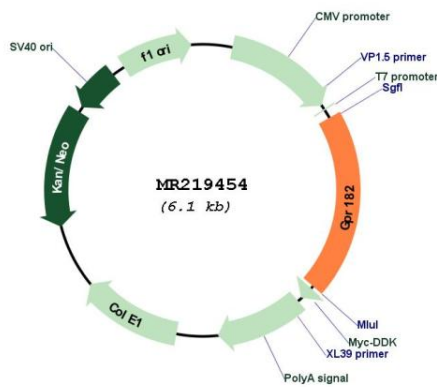
**RefSeq ORF:** 1197 bp

**Locus ID:** 11536

**Cytogenetics:** 10 75.07 cM

**MW:** 45.8 kDa

**Product images:**



Circular map for MR219454