

## Product datasheet for **RG206505**

### GPR182 (NM\_007264) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GPR182 (NM_007264) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR182
Synonyms:	7TMR; ADMR; AM-R; AMR; G10D; gamrh; hrhAMR; L1-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206505 representing NM_007264 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAGTGAAACCCAGCTGGGGCCTGGCCCCTCGGAGGGGGTACCGCAGTGCCTACCAGTGACCTTG  
GAGAGATCCAACTGGACCGAGCTGCTTGACCTTTCAACCACACTTTGTCTGAGTGCCACGTGGAGCT  
CAGCCAGAGCACCAAGCGCTGGTCTCTTTGCCCTCTACCTGGCCATGTTTGTGGTTGGCTGGTGGAG  
AACCTCCTGGTGATATGCGTCACTGGCGGGCTCAGGCCGGCAGGGCTGATGAACCTCTACATCTCA  
ACATGGCCATCGCGGACCTGGGCATTGTCTGTCTCTGCCGTGTGGATGCTGGAGTCACTGGACTA  
CACCTGGCTCTGGGGCAGCTTCTCTGCCGCTTCACTCACTACTTCTACTTTGTCAACATGTATAGCAGC  
ATCTTCTCTCTGGTGTGCCTCAGTGTGCACCGCTATGTCACCCCTACCAGCGCCTCCCCCTCTGGCAGC  
GTTACCAGCACCGAGTGCGGCGGGCCATGTGTGCAGGCATCTGGGTCTCTCGGCCATCATCCCCTGCC  
TGAGGTGGTCCACATCCAGCTGGTGGAGGGCCCTGAGCCCATGTGCCTCTCATGGCACCTTTTAAACG  
TACAGCACCTGGGCCCTGGCGGTGGCCCTGTCCACCACCATCTGGGCTTCTGCTGCCCTTCCCTCTCA  
TCACAGTCTTCAATGTGCTGACAGCCTGCCGGCTGCGGCAGCCAGGACAACCAAGAGCCGGCGCCACTG  
CCTGCTGCTGTGCGCCTACGTGGCGCTTTTGTGTCATGTGCTGGCTGCCCTATCATGTGACCCTGCTGCTG  
CTCACACTGCATGGGACCCACATCTCCCTCCACTGCCACCTGGTCCACCTGCTCTACTTCTCTATGATG  
TCATTGACTGCTTCTCCATGCTGCACTGTGTCATCAACCCATCCTTTACAACCTTTCTCAGCCCACTT  
CCGGGGCCGGCTCCTGAATGCTGTAGTCCATTACCTTCTTAAGGACCAGACCAAGCGGGACATGCGCC  
TCTTCTCTCTGTTCCACCCAGCATTCCATCATCATACCAAGGGTGATAGCCAGCCTGCTGCAGCAG  
CCCCCACCCTGAGCCAAGCCTGAGCTTTCAGGCACACCATTTGCTTCCAATACTTCCCCCATCTCTCC  
CACTCAGCCTCTTACACCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG206505 representing NM\_007264  
 Red=Cloning site Green=Tags(s)

```
MSVKPSWGPSPSEGVTAVPTSDLGEIHNWTELLDLFNHTLSECHVELSQSTKRVLVLFALYLAMFVVLVE
NLLVICVNWGRSGRAGLMNLYILNMAIADLGIVLSLPVWMLEVTLDTWLVWGSFSCRFTHYFYFVNMYS
IFFLVCLSDRYVTLTSASPSWQRYQHRVRRAMCAGIWL SAI IPLPEVVHIQL VEGPEPMCLFMAPPET
YSTWALAVALSTTILGFLLPFPLITVFNVL TACRLRQPGQPKSRRHCLLLCAYVAVFVMCWLPYHVTL
LL LTLHGTHISLHCHLVHLLYFFYDVIDCF SMLHCVINPILYNFLSPHFRGRLLNNAVHYLPKDQTKAGTCA
SSSSCSTQHSIIITKGDSPAAAAHPPEPSLSFQAHLLPNTSPI SPTQPLTPS
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_007264

**ORF Size:** 1212 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\\_007264.4](#)

**RefSeq Size:** 1620 bp

**RefSeq ORF:** 1215 bp

**Locus ID:** 11318

**UniProt ID:** [O15218](#)

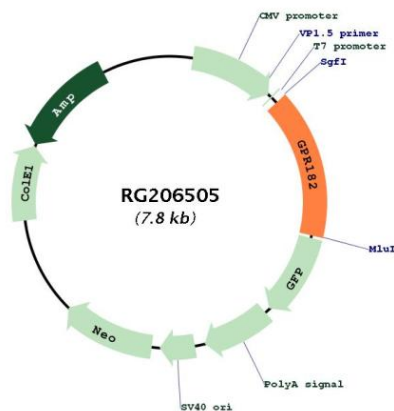
**Cytogenetics:** 12q13.3

**Domains:** 7tm\_1

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**Gene Summary:** Adrenomedullin is a potent vasodilator peptide that exerts major effects on cardiovascular function. This gene encodes a seven-transmembrane protein that belongs to the family 1 of G-protein coupled receptors. Studies of the rat counterpart suggest that the encoded protein may function as a receptor for adrenomedullin. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG206505