

Product datasheet for **MG204916**

Gpr146 (NM_030258) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpr146 (NM_030258) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gpr146
Synonyms: BC003323; PGR8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204916 representing NM_030258
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGAGCTGTGGCCCACTCAACAGCACAGCGTGGGCTGAGGAGCCGCTGTGCCGGAACCTGCGCCTGG
 GGCTGTGGGTCTCTCGCTGCTACCTGGGGCAGGGTCCCTGTGAGCTTAGGCTATAATGCTTTCT
 GGTGCTGGCCAACTGGCCAGCAAGAACCATGACCATGCCGACGTGACTTCGTGAACATGGCCGTG
 GCGGGCTGGTGCTCACGGCACTGGCACCTGCGTACCTGTTGGCCCTGCCCACTCCAGGTGGCCCTGT
 GGAGCCTCAGCAGTGAGGCCATGTGACTGCTCATCCTGTTCAACGTGGCTTCCCTGGTGACCATGTA
 CTCCACTGCACTGCTGAGCCTTGACTACTACATCGAGCGTGCCCTGCCACGCACCTACATGGCCAGTGTG
 TACAACACCCGGCACGTGTGTGGCTTCGTCTGGGGAGGGCGGTGCTCACCAGCTTCTCCTCCCTGCTCT
 TCTACATCTGCAGTCACGTGTCTTCTAGAATCGTGTGAGTGTGCCGGATGCAGAACACGGAGGCAGCCGA
 TGCTATCCTTGTGGTCATCGGCTACGTGGTGCCAGGTCTGGCTGTGTTGTATGCCCTGGCACTCATCTCG
 AGAATCGGGAAGGAAGACACACCCTGGACCAGGACACCAGCAGGCTGGACCCCTCGGTGCACAGGCTGC
 TGGTGGCCACCGTGTGCACTCAGTTTGGCCTCTGGACACCTTACTACTTGAGCCTGGGGCACACAGTGT
 GACGTACGGGGGAGGACCGTGGAGGGGCATTATCTGGGCATCTACAGGTTGCTAAGGACCTGGCCAAG
 TTCCTGGCCTTCTCAAGCAGTTCTGTGACCACTGCTCTACCGTTACATCAACAAGCCTTCCCCGGCA
 AGCTCCGGCGGCTGATGAAGAAGATGCACTGCGGGCGCCGCCACTGCTCCCCGACCCCTCGGGGATACA
 GCAGGTGATGGCACAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204916 representing NM_030258
Red=Cloning site Green=Tags(s)

MWSCGPLNSTAWAEEPLCRNRLRLGLWVLSLLYLGAGVPVSLGYNALLVLANLASKNTMTMPDVYFVNMAV
 AGLVLTALAPAYLLGPAHSRWLWLSSEAHVTLILFNVASLVTMYSTALLSLDYIIRALPRTYMASV
 YNTRHVCGFVWGGAVLTSFSSLLFYICSHVSSRIAECARMQNTAADAILVVIGYVVPGLAVLYALALIS
 RIGKEDTPLDQDTSRLDPSVHRLLVATVCTQFGLWTPYYLSLGHVTLTSRGRTVEGHYLGILQVAKDLAK
 FLAFSSSSVTPLLYRYINKAFPGKLRRLMKMHCGRRHCSPDPSTGIQQVMAQA

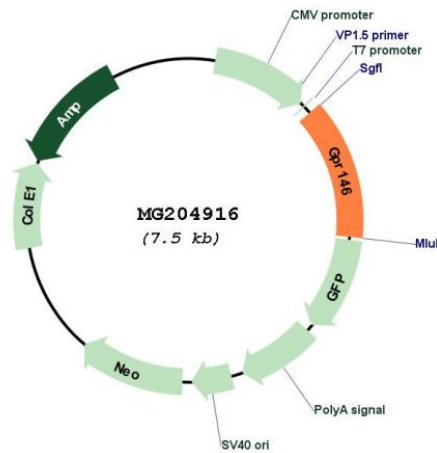
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_030258

ORF Size: 4062 bp

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|-------------------------------|---|
| 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: | <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: | NM_030258.1 |
| RefSeq Size: | 4070 bp |
| RefSeq ORF: | 1002 bp |
| Locus ID: | 80290 |
| UniProt ID: | Q99LE2 |
| Cytogenetics: | 5 G2 |
| Gene Summary: | Orphan receptor.[UniProtKB/Swiss-Prot Function] |