

## Product datasheet for MR229298

### Gpr146 (NM\_030258) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpr146 (NM\_030258) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gpr146  
**Synonyms:** BC003323; PGR8  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR229298 representing NM\_030258  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGGAGCTGTGGCCCACTCAACAGCACAGCGTGGGCTGAGGAGCCGCTGTGCCGAACCTGCGCCTGG  
 GGCTGTGGGTCTCTCGCTGCTACCTGGGGCAGGGTCCCTGTGAGCTTAGGCTATAATGCTTTCT  
 GGTGCTGGCCAACCTGGCCAGCAAGAACCATGACCATGCCGACGTGACTTCGTGAACATGGCCGTG  
 GCGGGGCTGGTGTCTCACGGCACTGGCACCTGCGTACCTGTTGGGCCCTGCCCACTCCAGGTGGCCCTGT  
 GGAGCCTCAGCAGTGAGGCCATGTGACACTGCTCATCCTGTTCAACGTGGCTTCCCTGGTGACCATGTA  
 CTCCACTGCACTGCTGAGCCTTGACTACTACATCGAGCGTGCCCTGCCACGCACCTACATGGCCAGTGTG  
 TACAACACCCGGCACGTGTGTGGCTTCGTCTGGGGAGGGGCGGTGCTCACCAGCTTCTCCTCCCTGCTCT  
 TCTACATCTGCAGTCACGTGTCTTCTAGAATCGTGTGAGTGTGCCGGATGCAGAACACGGAGGCAGCCGA  
 TGCTATCCTTGTGCTCATCGGCTACGTGGTGCCAGGTCTGGCTGTGTTGTATGCCCTGGCACTCATCTCG  
 AGAATCGGAAGGAAGACACACCCTGGACCAGGACACCAGCAGGCTGGACCCCTCGGTGCACAGGCTGC  
 TGGTGGCCACCGTGTGCACTCAGTTTGGCCTCTGGACACCTTACTACTTGAGCCTGGGGCACACAGTGT  
 GACGTACGGGGGAGGACCGTGGAGGGGCAATTCTGGGCATCTACAGGTTGCTAAGGACCTGGCCAAG  
 TTCCTGGCCTTCTCAAGCAGTTCTGTGACCACTGCTCTACCGTTACATCAACAAGCCTTCCCCGGCA  
 AGCTCCGGCGGCTGATGAAGAAGATGCACTGCGGGCGCCGCCACTGCTCCCCGACCCCTCGGGGATACA  
 GCAGGTGATGGCACAGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229298 representing NM\_030258  
Red=Cloning site Green=Tags(s)

MWSCGPLNSTAWAEPLCRNRLRLGLWVLSLLYLGAGVPVSLGYNALLVLANLASKNTMTMPDVYFVNMAV  
 AGLVLTALAPAYLLGPAHSRWALWLSSEAHVTLILFNVASLVTMYSTALLSLDYIERALPRTYMASV  
 YNTRHVCGFVWGGAVLTSFSSLLFYICSHVSSRIAECARMQNTAADAAILVLIGYVVPGLAVLYALALIS  
 RIGKEDTPLDQDTSRLDPSVHRLLVATVCTQFGLWTPYYLSLGHVTLTSRGRTVEGHYLGILQVAKDLAK  
 FLAFSSSVTPLLYRYINKAFPGKLRRLMKMHCGRRHCSPDPSPGIQQVMAQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_030258

**ORF Size:** 999 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\\_030258.5](#)

**RefSeq Size:** 4065 bp

**RefSeq ORF:** 1002 bp

**Locus ID:** 80290

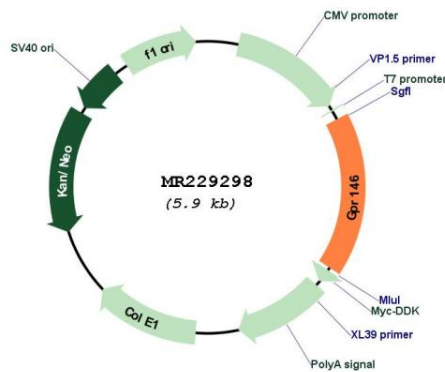
**UniProt ID:** [Q99LE2](#)

**Cytogenetics:** 5 G2

**MW:** 36.6 kDa

**Gene Summary:** Orphan receptor.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR229298