

Product datasheet for **MC221198**

Gpr149 (NM_177346) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr149 (NM_177346) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gpr149
Synonyms:	9630018L10Rik; Ieda; PGR10; R35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221198 representing NM_177346
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTTCTTTCTCAGCAACTTAACAAATGACTCTAACCTGTGAAAGCAAGTCATAATCTACGGAGA
 CGGACCTTATGAATTCACCAGCAACTCTGACTCTTTCTCTCTTTGCCTGATCTGTATAATGACTCTCGC
 AGCTCTGGTGGGAGCATTCTTCTCACTGGTTTCGCTGCTGACCATGCAATACAGAAGTGTCTTGTCCATA
 CTTGTGACATCTTGGTCTGTGGATGATCTCTTGTAGCGTCTTGTCCGTGGCCATCTTCATGGTTTTACAGT
 GGCCAAAAGAGGCACAGGGCTACTTCCAGTCTCTGTGCACCACCTCTGCCCTACTGTATATGTGCCAGGG
 CCTCTCCAGCAACTTGAAGGCGACTCTCATAGTCTGTACAACCTTTTATACGATGAACAGGACGGTGGAG
 AGTCAGTCAAGCTCCTGGCGATTAGGACAGGACTTGGTGTGACTTTAACCGTTTGGGCAGTCAGCCTGC
 TGCTGGCTTCGCTCCCGCTCTGTGGCTGGGGTGTCTTCGTGCGCACGCCCTGGGGCTGCCTGACCGACTG
 CTCAGCCATACGTGCTGCTCCTCTTCGCGGTATACGCTTCCGCTTTCGGGCTCCTGGCGTTCTCTCT
 GTCCTCTCACTACCAGCTGCTGTGTTCCGAGGAACCGCTGAGACTCCATGCCAACTACCAGGAAATTT
 CTCGTGGCGCCTCTACTCCTGGGACCCCTGCTGCTGCGGGAAGAGTGCTCTGTCTGCCGCCAGAGGATGT
 TGAGATCCCTGCTCTGCGATGCACTGGGGGATGCTCCCGAGCTCCGACGTGGTGTGTTGCCCGGGTCAG
 CCGGCTGCCTCCGGCGCTGGAGCCGGCAGGCGAGAGAATCCCGGGACTCCCAGGGCACCACAGCTTCC
 CCTTGAGCTTGGCACAGAAGCGCTTTCTTTGATTCTAGCGTGACGAAAGTCACTCTTTGGCTACCCAT
 GATGATCCACATGGTGGTAAAACACGTGGTGGGGTTTTCAGAGCCTTCCGGTCGATATGCTCAGCTTTCTA
 CTAAGCCTGCTGGCCAGCAGTGTAAACACAGTGTGGTGTCTTATCCAAACGTTGGGCCACTTGCCTTGTG
 GCTTCATCACTCACTGCCAGCCAGACACTACTCCGTTGCCTTCGATGGGAAAAAGTCGAAGAGGAAAGG
 CTTTGAATTCAATCTATCATTCCAACAAAGTTATGGACTCTATAAAATACCACATGCAGATTGCTATGAT
 GATGATGAAAATCCATATCCTATCACAACCCAAAGAATTATGAGTGTGAAGCTACAAAGGAGCCTTGGG
 GAGACAACCGCAGTGTCTTCAATACCATCACAGTAGAAATCAGCACCCAGCCACCCTGGACAGCGCCAC
 ACTGACGGGTGTCCACAAGTGTACCAATACTGACATCCCAGAATCCAAACAGGCCATGAAAGAGGAAAAG
 GGTGCTTTTTCTGTTAAAACAGAAAGCGATTAATACTATGGAGAAACCACCTCTTTTGAAGGTCCAGAGA
 GACGACTGTCCCATGAGGAGAATCAGAAACCAGATCTTTCAGACTGGGAATGGTGCAGGAGTAAGTCTGA
 ACGAACGCCTCGCCAGCGTTCGGTGGTGGGCTGGCTATCCCATATGCGCGTTCAGGGGACTGTGTCT
 CTCGAAGCACCTACTGGGAAAACGCTCTCTCTTCTACTTATGAGGTCAGCGCAGAAGGGCAAAAGATAA
 CCCAGCCTCTAAGAAAATAGAAGTCTATCGATCTAAAAGTGTGGCCATGAACCGAACTCAGAGGAGTC
 TCCTCCACGTTTGGGACACCAGTGTAATAATCACTTGGAAAGTCTTGAATTTGTGACAACGATGAG
 GCTCTAGACACTGTGCAATTATCAGCAACATCAGCCAATCCTCCACAAAAGTCAGGTCTCCTTCTCTGC
 GCTACTCACGGAAGGAAAACAGATTCTGCTCCTGCGACTTAGGAGAAACTGCCTCATACTCGCTCTTTT
 ACCCAAGTGTCTGATGGTGTATTAACATCTCTATCCCTGACACGGTGGAGGCCACAGACAGAAC
 AGCAGGCGGCAGCATGAAGAGAGGGATGGCTACCAGGAAGAGATCCAGTTGTTAAACAAAGCCTACAGGA
 AAAGAGAGGCAGAAAGCAAGGGTAT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_177346
Insert Size: 2199 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_177346.4](#), [NP_796320.2](#)

RefSeq Size: 3336 bp

RefSeq ORF: 2199 bp

Locus ID: 229357

UniProt ID: [Q3UVY1](#)

Cytogenetics: 3 E1

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