

## Product datasheet for **MG219910**

### Gpr142 (NM\_181749) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr142 (NM_181749) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gpr142
Synonyms:	PGR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219910 representing NM_181749 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCACCTGAATCAAATCCCAACAGCTACATCTGTGACGCCTACCAACATGCTGATCTTCTATGGTCTT  
TGTCTCCTCATGTGTTAACAAAAGCTGTGCAGCCACAAGTGACCCTGCTGCCTACAGTCAATGGTAGTAA  
CCCAAGATACGATGGTGTGGATGGCCACTGGCCAGAGAGCCAGAGAGGTCAACCCTGTGTGGCTGGTATC  
ATACCTGTCATCTATTACAGCGTCTGCTGAGCCTGGGGCTGCCTGTGGCACTGGCCCGTCTTGCTGCCA  
GGACCAGGAAACCCTCCTATCACTATCTCTGGCACTCACGGCTTCAGATATCGTCACCCAAGTGATCAT  
CGTCTTCGTAGGCTTCTCCTGCAGGGAGCTGTGCTGGCCCGCCAGGTGCCCCAGGCCGTGGTGGCACA  
GCTAACATCCTGGAGTTTGTGCCAATCAGCCTCAGTCTGGATTGCAGTCTTGTTCACGGTGGATCGCT  
ACAATGCCCTGTGCCGCCCTCTACGCCATCGGGCCACCTCGTCCCAGGCCGGACCCACCGCGCTATTGC  
TGCTGTCAATTGGCGTTACCCTCTGACCGGCATCCCATTTACTGGTGGCTGGATGTGTGGAGGGATGCA  
GACCCTCTAGCACTATGGACAACTCCTCAAGTGGGCTCACTGCCTCATCGTCTACTTCATTCCCTGCA  
ATGTTTTCTGGTCAACCACTCTGCCATCATCCTTCGGCTACGGAAGAGAGGCCAGAGAGGGCTGCGGCC  
ATTGGTGAAGACACAGCCATCCTCCTGGGTGTCACTCCCTCTTCGCCCTCTGCGCCACCACTG  
ATTATTGTCATGCTGTACCATCTGTATGTGGCCCTGTTACCCGGGATTGGAGGGTCCACCTGGCCTGG  
ACATAGCCAACATGTTGGCCATGCTCAACACAGAGGTCAACTTTGGCCTCTATTGCTTCATCAGCAAGAC  
TTTCAGAGCCACTGTCCGACAGGTCACTGTGATGTCCATATGGCTTGGCCCTAAAGTCACAGCCAAAG  
CAAACGGTGGTGAACCTCATGCTGAAGTCCGTAGGGACAGAGCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG219910 representing NM\_181749  
Red=Cloning site Green=Tags(s)

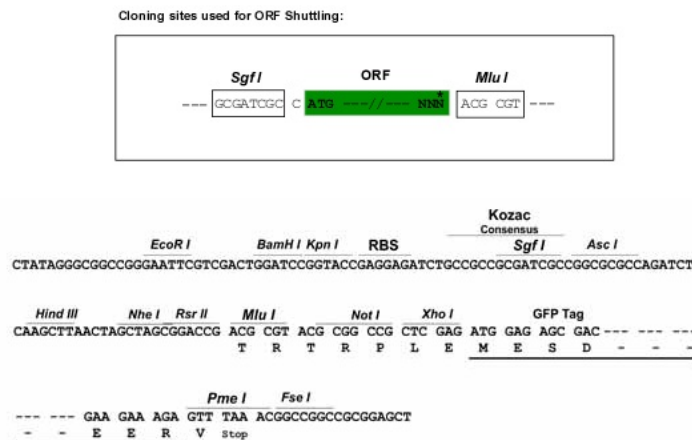
MHLNSNPNSYICDAYQHADLLWLSPLHVLTKAVQPQVTLPTVNGSNPRYDGVDPGHWPESPERSPCVAGI  
 IPVIIYYSVLLSLGLPVALARLAARTRKPSYHYLLALTASDIVTQVIIVFVGFLQGAVALRQVPQAVVRT  
 ANILEFAANHASVWIAVLFVDRYNALCRPLRHRATSSPGRTHRAIAAVIGVTLLTGIPFYWWLDVWRDA  
 DPPSTMDKLLKWAHCLIVYFIPCNVFLVTNSAILRLRKRGRQLRPLVSKSTAILLGVTSLLFALLWAPR  
 IIVMLYHLVYVAPVHRDWRVHLALDIANMLAMLNTEVNFGLYCFISKTFRATVRQVICDVHMACALKSQPK  
 QTVVELMLKSVGTEL

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1656\\_a10.zip](https://cdn.origene.com/chromatograms/ja1656_a10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_181749

**ORF Size:** 1095 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\\_181749.1](#), [NP\\_861414.1](#)

**RefSeq Size:** 1098 bp

**RefSeq ORF:** 1098 bp

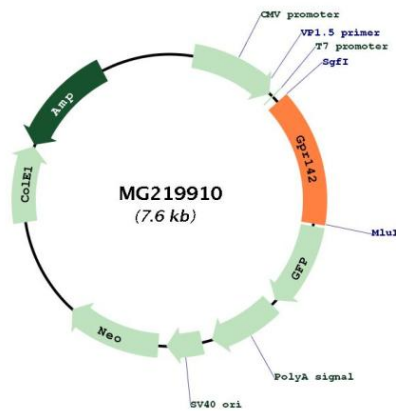
**Locus ID:** 217302

**UniProt ID:** [Q7TQN9](#)

**Cytogenetics:** 11 E2

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

**Product images:**



Circular map for MG219910