

Product datasheet for **RG211242**

GPR148 (NM_207364) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR148 (NM_207364) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR148
Synonyms:	BTR; PGR6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211242 representing NM_207364 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGATGAGCTGGCACCTTGCCCTGTGGGACTACAGCTTGGCCGGCCCTGATCCAGCTCATCAGCA
AGACACCCTGCATGCCCCAAGCAGCCAGCAACACTTCCTTGGCCTGGGGACCTCAGGGTGCCAGCTC
CATGCTGACTGGCTTTTCCCTCCCTCAAGCCTGCTGGCTGCAGCCACTGGCTGCAGCCCCCTGCTG
CTGGTGACCATCCTGCGAACCAACGGCTGCGACAGGAGCCCACTACCTGCTCCCGCTAACATCCTGC
TCTCAGACCTGGCTACATTCTCCTCCACATGCTCATCTCCTCCAGCAGCCTGGGTGGCTGGGAGCTGGG
CCGCATGGCCTGTGGCATTCTCACTGATGCTGTCTTCGCCGCTGCACCAGCACCATCCTGTCTTACC
GCCATTGTGCTGCACACCTACCTGGCAGTCATCCATCCACTGCGTACCTCTCCTTCATGTCCCATGGGG
CTGCCTGGAAGGCAGTGGCCCTCATCTGGCTGGTGGCCTGCTGCTTCCCACATTCTTATTTGGCTCAG
CAAGTGGCAGGATGCCAGCTGGAGGAGCAAGGAGCTTCATACATCTACCACCAAGCATGGGCACCCAG
CCGGATGTGGCCTCCTGGTCATTGTTACCTACACCTCCATTCTGTGCGTTCTGTTCTCTGCACAGCTC
TCATTGCCAAGTGTCTGGAGGATCTATGCAGAGGCCAAGACTTCAGGCATCTGGGGCAGGGCTATTC
CCGGGCCAGGGGCACCTGCTGATCCACTCAGTGTGATCACATTGTACGTGAGCACAGGGTGGTGTTC
TCCCTGGACATGGTGTGACCAGGTACCACCATTTGACTCTGGGACTCACACATGGCTCCTGGCAGCTA
ACAGTGAGGTAATCATGATGCTTCCCGTGCCATGCTCCCATACCTGTACCTGCTCCGCTACCGGCAGCT
GTTGGCATGGTCCGGGGCCACCTCCATCCAGGAGGCCAGGCCATCTTACCATTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211242 representing NM_207364
 Red=Cloning site Green=Tags(s)

MGDELAPCPVGTAWPALIQLISKTPCMPQAASNTSLGLGDLRVPSSMLYWLFLPSSLLAAATLAVSPLL
 LVTILRNQRLRQEPHYLLPANILLSLAYILLHMLISSSSLGGWELGRMACGILTDVFAACTSTILSFT
 AIVLHTYLAVIHLRYSFMSHGAAWKAVALIWLVACCFPTFLIWLKQDAQLEEQGASYILPPSMGTQ
 PGCGLLVIVTYTILCVLFLCTALIANCFWRIYAEAKTSGIWGQGYSRARGTLLIHSVLITLYVSTGVVF
 SLDMVLTRYHHIDSGHTWLLAANSEVLMMLPRAMLPLYLLRQRLLGMVRGHLPSRRHQAIFTIS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207364

ORF Size: 1041 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_207364.1](#), [NP_997247.1](#)

RefSeq Size: 1187 bp

RefSeq ORF: 1044 bp

Locus ID: 344561

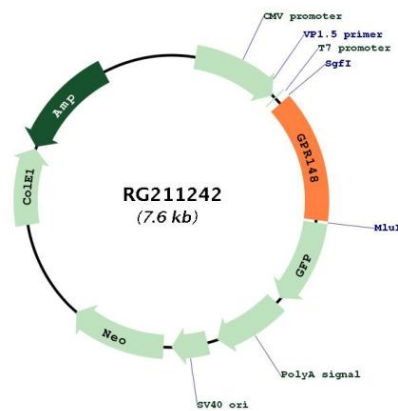
UniProt ID: [Q8TDV2](#)

Cytogenetics: 2q21.1

Protein Families: Druggable Genome, GPCR, Transmembrane

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

Product images:



Circular map for RG211242