

Product datasheet for **MG218522**

Gpr141 (NM_181754) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gpr141 (NM_181754) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Gpr141
Synonyms: PGR13
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218522 representing NM_181754
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGGATAAATACCTCTGAGAATTCCTCTTGTGACCCTATACTGGCACACCACTTAACATCGATTT
 ACTTCATAGTGCTCATTGGAGGACTGGTAGGCCTCATCTCCATCCTGTTCTTGCTGGTGAATAAAGAACTC
 ACGTTCAGTGACCACCATGGCTGTCATCAACCTCGTGGTGGTTCATGGGGTCTTCTACTGACGGTGCCT
 TTCCGCTTGGCATACCTCATCAAAGGGACTTGGACGTTTGGATTACCCTTCTGCAAAATTTGTGAGTGCCA
 TGTTACATATCCACATGTACCTCAGTTCCTCTTCTACGTGGTACTAGTCATCAGATACCTCATCTT
 CTCAAGCGTAGAGACAAAGTAGAATTCTATAGAAAATTGCATGCAGTTGCTGCAAGTTCTGCCATGTGG
 CTCTGCTGATTGTTATTGTTGTGCCCTTGGTGGTTTCTCAGTATGAAAATAGCGAAGAATACAATGAGC
 AACAGTGCTTTAGATTCCATAAAGAAGTGGCCATGATTCTGTGCGAGTTATCAACTATATGATAGTCAT
 TGTTGTCATAGCTGTTGCGTTGATTCTCTTGGGTTTCCAGGTCTTCATCACATTGTCATGGTGCAGGAA
 TTTCCGCACTCCTTACTATCCCACCAGGAGTCTGGGCACAAGTAAAAATCTTTTCTTTATAGGTATCA
 TTATTATTTGTTTCTTCCCTACCAGTTCCTCAGGATTTACTTGTATGTTGTGGCACATTCCAAGAG
 CTGTAACAAAGTTGCATTTTACAATGAAATCCTATTGAGCACAAACAGCCATCAGCTGCTGTGATTTG
 CTGCTTTTGTCTTTGGAGGAAGCCATTGGGTTAAGCAAAAGATTGTCGACATGTGGAATTGCCTCTTAT
 GCCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218522 representing NM_181754
 Red=Cloning site Green=Tags(s)

MDGYNTSENSCDPILAHHLTSIYFIVLIGGLVGLISILFLLVKMNSRSVTTMAVINLVVHGVFLLTVP
 FRLAYLIKGTWTFGLPFCKFVSAMLHIHMYLTFLFYVVILVIRYLIFFKRRDKVEFYRKLHAVAASSAMW
 LLVIVIVVPLVVSQYGNSEEYNEQQCFRFHKELGHDSVRVINYMIVIVVIAVALILLGFQVFITLSMVRK
 FRHSLLSHQEFWAQLKNLFFIGIIICFLPYQFFRIYYLYVVAHSKSKNKVAFYNEILLSTTAISCCDL
 LLFVFGGSHWVKQKIVDMWNCLLCH

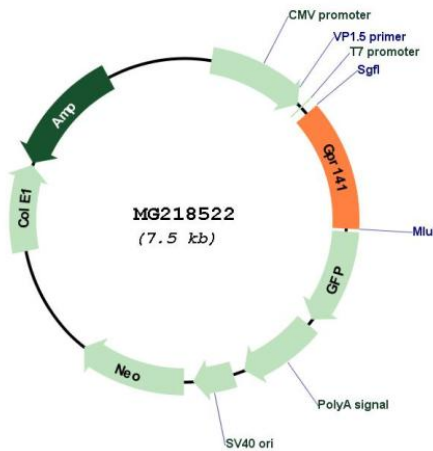
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_181754

ORF Size: 915 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:	<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_181754.4 , NP_861419.3
RefSeq Size:	3433 bp
RefSeq ORF:	918 bp
Locus ID:	353346
UniProt ID:	Q7TQP0
Cytogenetics:	13 A2
Gene Summary:	Orphan receptor.[UniProtKB/Swiss-Prot Function]