

Product datasheet for **RG224590**

GPR141 (NM_181791) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR141 (NM_181791) Human 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:	>RG224590 representing NM_181791 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCTGGCCACAATACCTCCAGGAATTCCTCTTGCGATCCTATAGTGACACCCCACTTAATCAGCCTCT
ACTTCATAGTGCTTATTGGCGGGCTGGTGGGTGCATTTCCATTCTTTCCCTCCTGGTAAAAATGAACAC
CCGGTCAGTGACCACCATGGCGGTCATTAACCTGGTGGTGGTCCACAGCGTTTTTCTGCTGACAGTGCCA
TTTCGCTTGACCTACCTCATCAAGAAGACTTGGATGTTTGGGCTGCCCTTCTGCAAATTTGTGAGTGCCA
TGCTGCACATCCACATGTACCTCAGTTCCTATTCTATGTGGTATCCTGGTACCAGATACCTCATCTT
CTTCAAGTGCAAAGACAAAGTGAATTCACAGAAAACGATGCTGTGGCTGCCAGTGCTGGCATGTGG
ACGCTGGTGATTGTCATTGTGGTACCCCTGGTTGTCTCCCGGTATGGAATCCATGAGGAATACAATGAGG
AGCACTGTTTTAAATTCACAAAGAGCTTGCTTACACATATGTGAAAATCATCAACTATATGATAGTCAT
TTTTGTCATAGCCGTTGCTGTGATTCTGTTGGTCTTCCAGGTCTTCATCATTATGTTGATGGTGCAGAAG
CTACGCCACTCTTACTATCCCACCAGGAGTCTGGGCTCAGCTGAAAAACCTATTTTTATAGGGGTCA
TCCTTGTTGTTTCCTCCCTACCAGTCTTTAGGATCTATTACTTGAATGTTGTGACGCATTCCAATGC
CTGTAACAGCAAGTTGCATTTTATAACGAAATCTTCTTGAGTGAACAGCAATTAGCTGCTATGATTTG
CTTCTTTGTCTTTGGGGGAAGCCATTGGTTTAAGCAAAGATAATTGGCTTATGGAATTGTGTTTTGT
GCCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG224590 representing NM_181791
 Red=Cloning site Green=Tags(s)

MPGHNTRSNSCDPIVTPHLISLYFIVLIGGLVGVISILFLLVKMNRSVTTMAVINLVVHVSFLLTVP
 FRLTYLIKKTWMFGLPFCKFVSAMLHIHMYLTFLFYVVILVTRYLIFFKCKDKVEFYRKLHAVAASAGMW
 TLVIVIVVPLVVSRYGIHEEYNEEHCFKFKELAYTYVKIINYMIVIFVIHAVAVILLVFQVFIIMLMVQK
 LRHSLLSHQEFWAQLKNLFFIGVILVCFLPYQFFRIYYLNVVTHSNACNSKVAFYNEIFLSVTAISCYDL
 LLFVFGGSHWFKQKIIGLWNCVLCR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181791

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:

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_181791.3](#)

RefSeq Size: 918 bp

RefSeq ORF: 918 bp

Locus ID: 353345

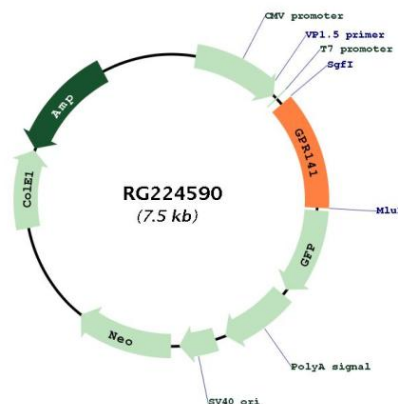
UniProt ID: [Q7Z602](#)

Cytogenetics: 7p14.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: GPR141 is a member of the rhodopsin family of G protein-coupled receptors (GPRs) (Fredriksson et al., 2003 [PubMed 14623098]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG224590