

Product datasheet for **RG204344**

GPRI46 (NM_138445) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	GPRI46
Synonyms:	PGR8
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204344 representing NM_138445
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGAGCTGCAGCTGGTTCAACGGCACAGGGCTGGTGGAGGAGCTGCCTGCCTGCCAGGACCTGCAGC
TGGGGCTGTCACTGTTGTGCGTGTGGGCTGGTGGTGGGCGTGCCAGTGGGCTGTGCTACAACGCCCT
GCTGGTGTGGCCAACCTACACAGCAAGGCCAGCATGACCATGCCGACGTGTACTTTGTCAACATGGCA
GTGGCAGGCCTGGTGTCTAGCGCCCTGGCCCTGTGCACCTGCTCGGCCCCCGAGCTCCCGGTGGGCGC
TGTGGAGTGTGGGCGGCCAAGTCCACGTGGCACTGCAGATCCCCTTCAATGTGTCTCACTGGTGGCCAT
GTACTCCACCGCCCTGCTGAGCCTCGACCACTACATCGAGCGTGCCTGCCGCGGACCTACATGGCCAGC
GTGTACAACACGCGGCACGTGTGCGGCTTCGTGTGGGTGGCGCGTGTGACCACTTCTCCTCGCTGC
TCTTCTACATCTGCAGCCATGTGTCCACCGCGCGCTAGAGTGCGCCAAGATGCAGAACGCAGAAGCTGC
CGACGCCACGCTGGTGTTCATCGGTACGTGGTGGCAGCACTGGCCACCTCTACGCGCTGGTGTACTC
TCCCGCGTCCGAGGGAGGACACGCCCTGGACCGGGACACGGGCGGCTGGAGCCCTCGGCACACAGGC
TGCTGGTGGCCACCGTGTGCACGCAGTTTGGGCTCTGGACGCCACACTATCTGATCCTGTGGGGCACAC
GGTCATCATCTCGCAGGGAAGCCCGTGGACGCACACTACCTGGGGCTACTGCACCTTTGTGAAGGATTTT
TCCAAACTCCTGGCCTTCTCCAGCAGCTTTGTGACCACTTCTCTACCGCTACATGAACAGAGCTTCC
CCAGCAAGCTCCAACGGCTGATGAAAAAGCTGCCCTGCGGGGACCGGCACTGCTCCCGGACCACATGGG
GGTGCAGCAGGTGCTGGCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



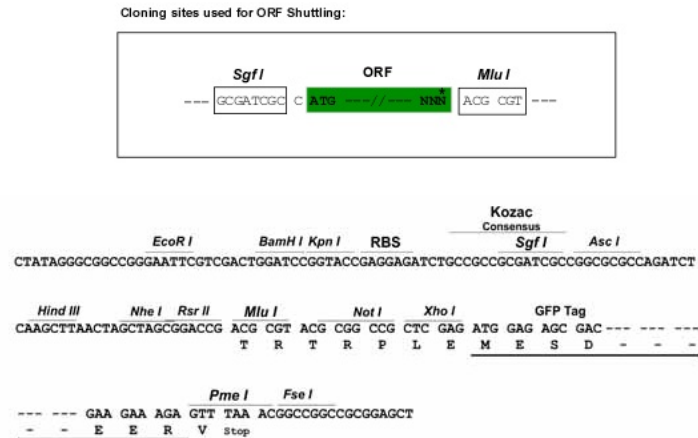
Protein Sequence: >RG204344 representing NM_138445
Red=Cloning site Green=Tags(s)

MWSCSWFNGTGLVEELPACQDLQLGLSLLSLLGLVVGVPVGLCYNALLVLANLHKSAMTMPDVYFVNMA
VAGLVLSALAPVHLLGPPSSRWALWSVGGEVHVALQIPFNVSSLVAMYSTALLSLDHYIERALPRTYMAS
VYNTRHVCGFVWGGALLTSFSSLLFYICSHVSTRALECAKMQNAEADATLVFIGYVVPALATLYALVLL
SRVRRDTPDRDTGRLEPSAHRLLVATVCTQFGLWTPHYLILLGHTVVISRGKPVDAHYLGLLHFVKDF
SKLLAFSSSFVTPLLYRYMNQSFPSKLQRLMKKLPCGDRHCSPDHMGVQVQLA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138445

ORF Size: 999 bp

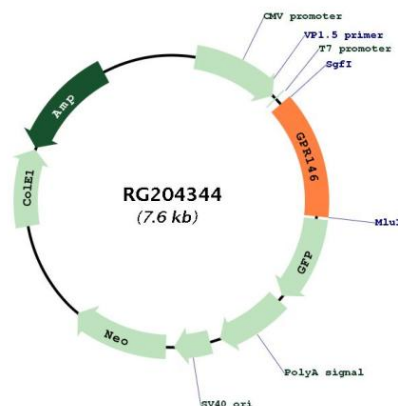
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_138445.4
RefSeq Size:	1776 bp
RefSeq ORF:	1002 bp
Locus ID:	115330
UniProt ID:	Q96CH1
Cytogenetics:	7p22.3
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	Orphan receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204344