

Product datasheet for **RG207757**

H963 (GPR171) (NM_013308) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H963 (GPR171) (NM_013308) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	H963
Synonyms:	H963
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207757 representing NM_013308 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAAACAGTTCGTTCTTCTGCCAGTTTATAAAGATCTGGAGCCATTCACGTATTTTTTTATTTAG
TTTTCTTGTGGAAATTATTGGAAGTTGTTTTGCAACCTGGGCTTTTACAGAAGAATACGAATCACAG
GTGTGTGAGCATCTACTTAATTAATTTGCTTACAGCCGATTTCTGCTTACTCTGGCATTACCAGTGAAA
ATTGTTGTTGACTTGGGTGTGGCACCTTGAAGCTGAAGATATCCACTGCCAAGTAACAGCCTGCCTCA
TCTATATCAATATGTATTTATCAATTATCTTCTTAGCATTGTGACGATTGACCGCTGTCTTCAGCTGAC
ACACAGCTGCAAGATCTACCGAATACAAGAACCCGGATTTGCCAAAATGATATCAACCGTTGTGTGGCTA
ATGGTCCTTCTTATAATGGTGCCAAATATGATGATTTCCCATCAAAGACATCAAGGAAAAGTCAAATGTGG
GTTGTATGGAGTTTAAAAAGGAATTTGGAAGAAATTTGGCATTGCTGACAAATTTTATATGTGTAGCAAT
ATTTTTAAATTTCTCAGCCATCATTTTAAATATCCAATTGCCTTGTAAATTCGACAGCTCTACAGAAACAAA
GATAATGAAAATTACCAAAATGTGAAAAGGCTCTCATCAACATACTTTTAGTGACCACGGGCTACATCA
TATGCTTTGTTTCTTACCACATTGTCCGAATCCCGTATACCCTCAGCCAGACAGAAGTCATAACTGATTG
CTCAACCAGGATTTCACTCTTCAAAGCCAAAGAGGCTACACTGCTCCTGGCTGTGTCGAACCTGTGCTTT
GATCCTGTCTGTACTATCACCTCTCAAAGCATTCCGCTCAAAGGCTCACTGAGACTTTTGCCTCACCTA
AAGAGACCAAGGCTCAGAAAGAAAATTAAGATGTGAAAATAATGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207757 representing NM_013308
 Red=Cloning site Green=Tags(s)

MTNSSFFCPVYKDLEPFTYFFYL VFLVGIIGSCFATWAFIQKNTNHRCSVSIYLINLLTADFLLLALPVK
 IVVDLGVAPWKLKIFHCQVTACLIYINMYLSIIFLAFVSDRCLQLTHSCKIYRIQEPGFAKMISTVVWL
 MVLLIMVPNMMIPIKDIKEKSNVGCMEFKKEFGRNWHL TNFICVAIFLNFSAILIISNCLVIRQLYRNK
 DNENYPNVKKALINILLVTTGYIICFVPHYIVRIPYTL SQTEVITDCSTRISLKFKAKEATLLLVAVSNLCF
 DPVLYYHLSKAFRSKVTETFASPKETKAQKEKLRCE NNA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013308

ORF Size: 957 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_013308.2](#), [NP_037440.2](#)

RefSeq Size: 1855 bp

RefSeq ORF: 960 bp

Locus ID: 29909

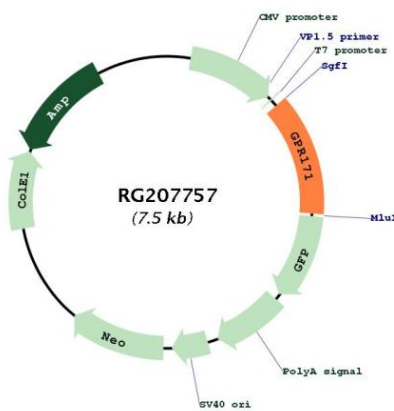
UniProt ID: [O14626](#)

Cytogenetics: 3q25.1

Protein Families: Druggable Genome, GPCR, Transmembrane

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

Product images:



Circular map for RG207757