

Product datasheet for **RG205463**

GPR135 (NM_022571) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR135 (NM_022571) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GPR135
Synonyms:	HUMNPIIY20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG205463 representing NM_022571
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGCCGAGCCGCCCCGCCACCAGCGAGCATGGCCTTACTGGGAGCCAGCACTCCGGCGCC
 CCTCCGCGGCCGCCACCTGGCGGGACTTCTCCGCGGCCACGCGGGCGTGTCTCCTCAGCACCGT
 GGCGACCGCGGCCTGGGGAACCTGAGCGACGCAAGCGGAGGCGGCACAGCTGCCGCTCCCGGTGGCGGC
 GGCTTGGCGGGTCCGGGGCAGCGGGAGGCGGGGGCGCGGTGAGGCGGCCGCTAGGCCCGGAGGCGG
 CGCCGCTGCTGTCGACGGAGCTGCAGTGGCGGCCAGGCGCTCGTCTCCTGCTCATCTTCTGCTGTC
 TAGCCTTGGCAACTGCGCGGTGATGGGGGTGATTGTGAAGCACCGGCAGCTCCGCACCGTACCAACGCC
 TTCATCCTGTGCTGTCCCTATCGGATCTGCTCACGGCGTCTGCTGCTGCCCGCCGCTTCTGAGCC
 TCTTCACTCCGCCGGGGTTCCGGCGCTGCCCGCCGCGGGGCCCTGGCGGGCTTCTGCGCCGCGAG
 CCGCTTCTCAGCTCGTCTTCGGCATCGTGTCCACGCTCAGCGTGGCGTCTATCTCGTTGGACCGTTAC
 TGGCTATCGTGGCGCCCGCGGGAGAAGATCGGCCCGCCGCGCGCTGCAGCTGCTGGCGGGCGCT
 GGCTGACGGCCCTGGGCTTCTCCTTGCCTGGGAGCTGCTCGGGGCGCCCGGGAACCTCGCGGGCGCA
 GAGCTTCCACGGCTGCCTCTACCGACCTCCCGGACCCCGCGCAGCTGGGCGGGCCTTACAGCTGGGG
 CTGGTGGTGGCCTGCTACCTGCTGCCCTTCTGCTCATGTGCTTCTGCCACTACCACATCTGCAAGACGG
 TGCGCCTGTGGACGTGCGCGTGCGGCCGGTGAACACTACGCGCGCGTGTGCGCTTCTCAGCGAGGT
 GCGCACGGCCACCACCGTCTCATATGATCGTCTTCTCATCTGCTGCTGGGGCCCTACTGCTTCTG
 GTGCTGCTGGCCGCCCGCCGAGGCCAGCCATGCAGGCCCTCGCTCCTCAGCGTGGTGGCCGCT
 GGCTGACCTGGCCAATGGGGCCATCAACCTGTCACTACGCCATCCGCAATCCCAACATTCGATGCT
 CCTAGGGCGCAACCGCGAGGAGGGTACCGGACTAGGAATGTGGACGCTTCTGCCCAGCCAGGGCCCG
 GGTCTGCAAGCCAGAAGCCGAGTGCCTTCGAAACCGCTATGCCAACCGCTGGGGCCTGCAACAGGA
 TGTCTCTTCCAACCCGGCCAGCGGAGTGGCAGGGGACGTGGCCATGTGGCCCGCAAAAATCCAGTTGT
 ACTTTTCTGCCGAGAGGGACCACCAGAGCCGGTACGGCAGTGACCAAACAGCCTAAATCCGAGCTGG
 GATACCAGCCTC

ACGCGTACGCGGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205463 representing NM_022571
 Red=Cloning site Green=Tags(s)

MEEPQPPRPPASMLLGSQHSAPSAAGPPGGTSSAATAAVLSFSTVATAALGNLSDASGGGTAAPGGG
 GLGGSGAAREAGAAVRRPLGPEAAPLLSHGAAVAAQALVLLLIFFLLSSLGNCAVMGVIVKHRQLRTVTNA
 FILSLSLDLLTALLCLPAFLDLFTPPGGSAPAAAAGPWRFCAASRFFSSCFGIVSTLSVALISLDRY
 CAIVRPPREKIGRRRALQLLAGAWLTALGFSLPWELLGAPRELAQAQSFHGCLYRTSPDPAQLGAAFSVG
 LVVACYLLPFLLMCFCHYHICKTVRLSDVRVPVNTYARVLRFFSEVRTATTVLIMIVFVICCWGPYCF
 VLLAAARQAQTMQAPSLLSVVAVWLTWANGAINPVIYAIRNPNISMLLGRNREEGYRTRNVDAFLPSQGP
 GLQARSRSRLRNRYANRLGACNRMSSSNPASGVAGDVAMWARKNPVVLFCREGPPEPVTAVTKQPKSEAG
 DTSL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_022571

ORF Size: 1482 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_022571.6](#)

RefSeq Size: 1834 bp

RefSeq ORF: 1485 bp

Locus ID: 64582

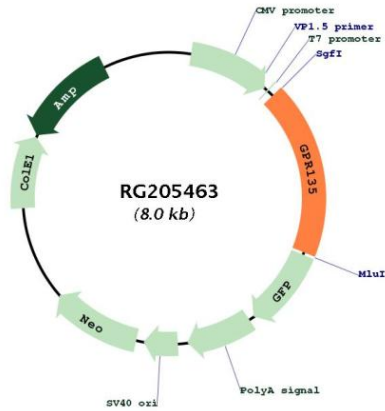
UniProt ID: [Q8IZ08](#)

Cytogenetics: 14q23.1

Protein Families: Druggable Genome, GPCR, Transmembrane

Gene Summary: Orphan receptor. Has spontaneous activity for beta-arrestin recruitment (PubMed:28827538). Shows a reciprocal regulatory interaction with the melatonin receptor MTNR1B most likely through receptor heteromerization (PubMed:28827538).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205463