

Product datasheet for RC201523

GPCR150 (GPR160) (NM_014373) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPCR150 (GPR160) (NM_014373) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPCR150
Synonyms:	GPCR1; GPCR150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201523 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGCTCTCTTTCAGAGAAGTCTCTTTTCAGTACCAGTTACGTCAAACAAACCAGCCCCTAGATG
TTAACTATCTGCTATTCTTGATCATACTGGGAAAATATTATTAATATCCTTACACTAGGAATGAGAAG
AAAAACACCTGTCAAATTTTATGGAATATTTTGCATTTCACTAGCATTGTTGATCTTTTACTTTTG
GTAACATTTCCATTATATTGTATTTCCAGGATTTTGTACTTTAAGCATTAGGTTCACTAAATACCACA
TCTGCCTATTTACTCAAATTTTCTTTACTTATGGCTTTTGCATTATCCAGTTTTCTGACAGCTTG
TATAGATTATTGCCTGAATTTCTCTAAAACAACCAAGCTTTCATTTAAGTGTCAAAAATTTTTATTTT
TTTACAGTAATTTAATTTGGATTTTCAGTCTTGTCTTATGTTTTGGGAGACCCAGCCATCTACCAAAGCC
TGAAGGCACAGAAATGCTTATTCTCGTCACTGTCCTTTCTATGTCAGCATTAGAGTTACTGGCTGTCATT
TTTCATGGTGATGATTTTATTTGTAGCTTTCATAACCTGTTGGGAAGAAGTTACTACTTTGGTACAGGCT
ATCAGGATAAATTCCTATATGAATGAACTATCTTATATTTTCTTTTCCATCCCCTCCAGTTATACTG
TGAGATCTAAAAAATATTTCTTCAAGCTCATTGTCTGTTTTCTCAGTACCTGGTTACCATTTGTACT
ACTTCAGGTAATCATTGTTTTACTTAAAGTTCCAGATCCAGCATATTTGAGATGAATATTCCTGGTTA
TACTTTGTCAATAGTTTTCTCATTGCTACAGTATTGGTTAATTGTCAAGCTTAATTTAAAAGACA
TTGGATTACCTTTGGATCCATTTGTCAACTGGAAGTGCTGCTTCCATTCCACTTACAATTCCTAATCTTGA
GCAAATTGAAAAGCCTATATCAATAATGATTTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC201523 protein sequence
Red=Cloning site Green=Tags(s)

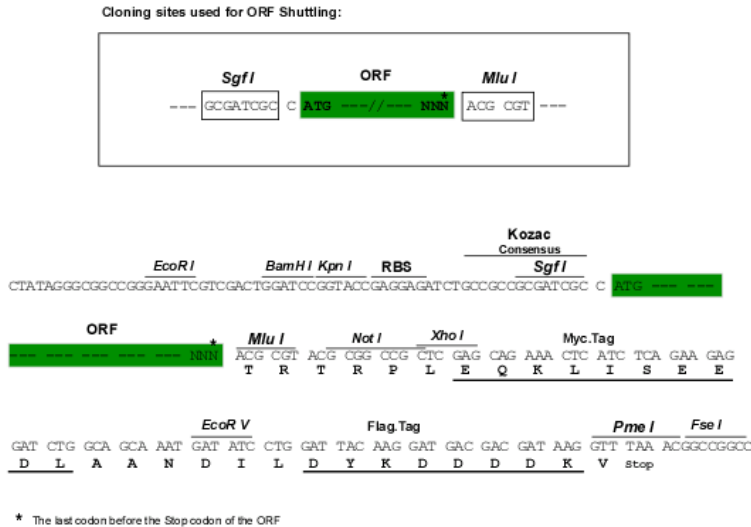
MTALSSENC SFQYQLRQTNQPLDVNYLLFLIILGKILLNILTLMGRRKNTQNFMEYFCISLAFV D L L L L
 VNISIILYFRDFVLLSIRFTKYHICLFTQIISFTYGFLHYPVFLTACIDYCLNFSKTTKLSFKCQKLFYF
 FTVILIWISVLAAYVLGDP AIYQSLKAQNAYSRHCPFYVSIQSYWLSFFMVMILFVAFITCWE EVTTLVQA
 IRITSYMMETILYFPFSSHSSYTVRSKKIFLSKLI V C F L S T W L P F V L L Q V I I V L L K V Q I P A Y I E M N I P W L
 YFVNSFLIATVYWFNCHKLNLDIGLPLDPFVNWKCCFIPLTIPNLEQIEKPISIMIC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6001_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014373

ORF Size: 1014 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_014373.3](#)

RefSeq Size: 2021 bp

RefSeq ORF: 1017 bp

Locus ID: 26996

UniProt ID: [Q9UJ42](#)

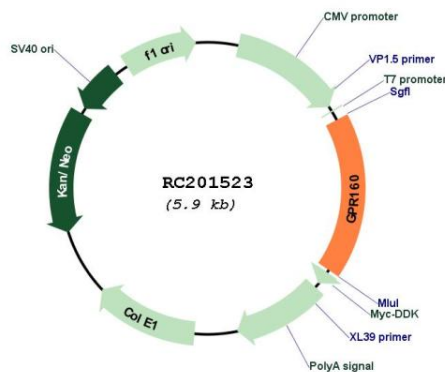
Cytogenetics: 3q26.2

Protein Families: Druggable Genome, GPCR, Transmembrane

MW: 39.8 kDa

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

Product images:



Circular map for RC201523