

Product datasheet for **RC231113**

GPCRLTM7 (NM_001195021) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	GPCRLTM7
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231113 representing NM_001195021
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCAAACCTCATTGTAGTGGTCACTGTAACCTCTGACCCTTACTTGCACTCCTCCTGTATATTTGCTGGCCAACTCTCTGTGATTCACATTTTGCTCCATTGCAGCAGCAAGATGATTTGTGATATTT
CAGGAAACAGAAAGTCATTTCTTTTGGGGCTGTGTAGCTCAGATCTTCTTTAGCCATGCTGTTGGGGGC
ACTGAGATGGTGTCTCATAGCCATGGCCTTTGACAGATATGTTGCCGTATGTAAGCCCTTCACTACC
TGACCATCATGCATCCAAGAATGTGCATTTTGATTCTAGTGGCTTCTGGGCCATTGGTCTCATTCACTC
ATTGGTCCAATTGTCTTTGTAGTAACTTGCCCTTCTGTGGCCCTAATGTGTTGGACAGCTTTTACTGT
GACATACCTCAGCTCATCAAACCTTGCTTGCAAAATACCTATAAACTGCAGTTCATGGTTACTGCTAATA
GTGGGTTCAATTTCTTGAGTGTCTTCTTGCTCATCCTCTCTTACATCTTCATTCTGGCCACTCTTCA
GAAACACTCCTCAGGAGGCTCATCAAGGCTGTCTCTACTCTGTCAGCTCATATTACTGTTGTGTTTTA
TTCTTTGGTCCACTGATTTTTTCTATGTATGGCCCTCTCTCAACACATCTGAATAAATTTCTAGCCA
TATTTGATGCCATTTTCACTCCTTTCTGAATCCAGTCATCTACACATTGAGAACAGGGAAATGAAGAT
TGCAATAAGGAGAGTGTTCCGGTCAATTTATGGGTTTTAGAAAACTACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC231113 representing NM_001195021
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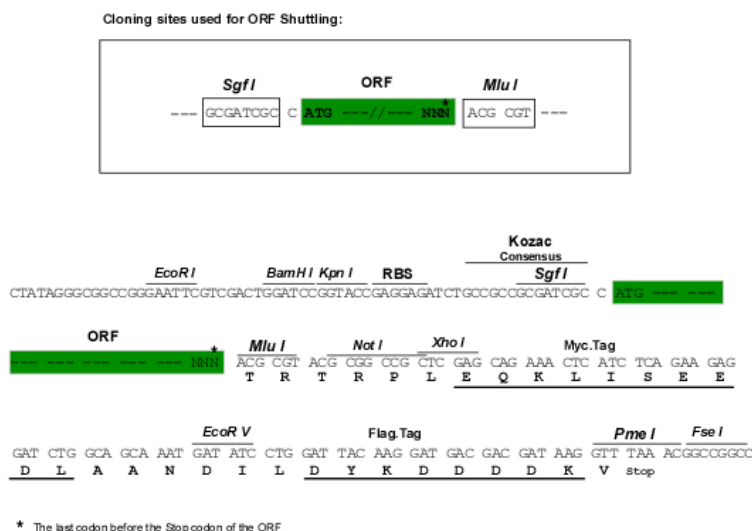
MANLIVVVTVTSDPYLHSSLYILLANLSVIDLTFCSIARKMICDIFRKQKVISFWGCVQAQIFFSHAVGG
TEMVLLIAMAADRYVAVCKPLHYLTIMHPRMCILILVASWATGLHSLVQLSFVNNLPFCGPNVLDSEYF
DIPQLIKLACTNTYKQLQFMYTANSGFISLSAFFLLILSYIFILATLQKHSSGGSSKAVSTLSAHITVVVL
FFGPLIFFVYWSPPTHLNKLAFIDFAIFTPLNPVIYTFNRNEMKIAIRRVGFGFMGRKTT

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/jal263_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001195021

ORF Size: 819 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_001195021.1, NP_001181950.1

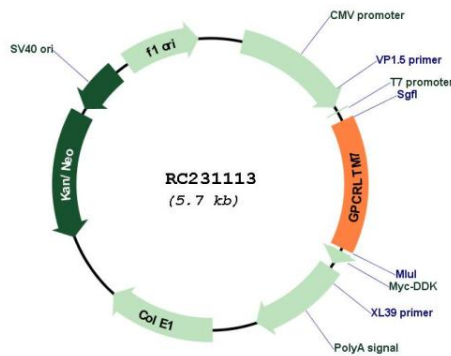
RefSeq ORF: 821 bp

Locus ID: 100272148

Cytogenetics: 15q26.3

MW: 31.1 kDa

Product images:



Circular map for RC231113