

Product datasheet for **RG200676**

CCKBR (NM_176875) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCKBR (NM_176875) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCKBR
Synonyms:	CCK-B; CCK2R; GASR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200676 representing NM_176875
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGCTAAAGCTGAACCGGAGCGTGCAGGGAACCGGACCCGGGCCGGGGCTTCCCTGTGCCGC
 CGGGGGCCCTCTCCTCAACAGCAGCAGTGTGGGCAACCTCAGCTGCGAGCCCCCTCGCATTTCGCGGAGC
 CGGGACACGAGAATTGGAGCTGGCCATTAGAATCACTCTTACGAGTGTCTTCTGATGAGCGTTGGA
 GGAAATATGCTCATCATCGTGGTCTGGGACTGAGCCGCCGCTGAGGACTGTCACCAATGCCTTCTCC
 TCTCACTGGCAGTCAGCGACCTCTGCTGGCTGTGGCTTGCATGCCCTTACCCTCTGCCCAATTCAT
 GGGCACATTCATCTTGGCACCGTCATCTGCAAGGCGTTTCTACCTCATGGGGTGTCTGTGAGTGTG
 TCTACGCTAAGCCTCGTGGCCATCGCACTGGAGCGGTACAGCGCCATCTGCCGACACTGCAGGCACGAG
 TGTGGCAGACCGCTCCACGCGGCTCGCGTATTGTAGCCACGTGGCTGCTGTCGGACTACTCATGGT
 GCCCTACCCCGTGTACACTGTCGTGCAACCAAGTGGGGCTCGTGTGCTGCAGTGCCTGCATCGCTGGCC
 AGTGCAGCGGGTCCGCCAGACCTGGTCCGTACTGCTGCTTCTGCTTGTCTTTCATCCCGGGTGTGGTTA
 TGGCCGTGGCTACGGGCTTATCTCTCGGAGCTCTACTTAGGGCTTCGCTTTCGCGGACAGTGCAGC
 CGACAGCCAAAGCAGGGTCCGAAACCAAGGCGGGCTGCCAGGGGCTGTTACCAGAACGGGCGTTGCCGG
 CCTGAGACTGGCGCGGTTGGCGAAGACAGCGATGGCTGTACGTGCAACTTCCACGTTCCCGGCCTGCC
 TGGAGCTGACGGCGCTGACGGCTCTGGGCCGGGATCCGGCTCCCGGCCACCCAGGCCAAGCTGCTGGC
 TAAGAAGCGCGTGGTGCGAATGTTGCTGGTGATCGTTGTGCTTTTTTTTCTGTGTTGGTTGCCAGTTAT
 AGTGCCAAACAGTGGCGCGCCTTTGATGGCCCGGGTGCACACCGAGCACTCTCGGGTGCCTATCTCCT
 TCATTCAGTGTGAGCTACGCTCGGCTGTGTCAACCCCTGGTCTACTGCTTTCATGCACCGTCTGCTT
 TCGCCAGGCTGCTGGAAACTTGCCTCGCTGCTGCCCCCGGCTCCACGAGCTCGCCCCAGGGCTCTT
 CCCGATGAGGACCTCCACTCCCTCCATTGCTTTCGCTGTCCAGGCTTAGCTACACCACCATCAGCACAC
 TGGGCCCTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200676 representing NM_176875
 Red=Cloning site Green=Tags(s)

MELLKLNRSVQGTGPGGASLCRPGAPLLNSSSVGNLSCEPPRIRGAGTRELELAIRITLYAVIFLMSVG
 GNMLIIVVLGLSRRLRTVTNAFLLSLAVSDLLAVACMPFTLLPNLMGTFIFGTVICKAVSYLMGVSVS
 STL SLVAIALERYSAICRPLQARVWQTRSHAARIVATWLLSGLLMVPYPVYTVVQPVGPRVLQCVHRWP
 SARVRQTWSVLLLLLLLLFFIPGVVMAVAYGLISRELYLGLRFDGSDSDSQRVRNQGLPGAVHQNGRCR
 PETGAVGEDSDGCYVQLPRSRPALELTAL TAPGPGSGSRPTQAKLLAKKRVRMMLLVIVLFFLCWLPVY
 SANTWRAFDGPGAHRALSGAPISFIHLLSYASACVNPLVYCFMHRFRQACLETACRCCPRPPRARPRAL
 PDEDPPTPSIASLSRSLSYTTISTLGGP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_176875

ORF Size: 1341 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_176875.2](#), [NP_795344.1](#)

RefSeq Size: 2120 bp

RefSeq ORF: 1344 bp

Locus ID: 887

UniProt ID: [P32239](#)

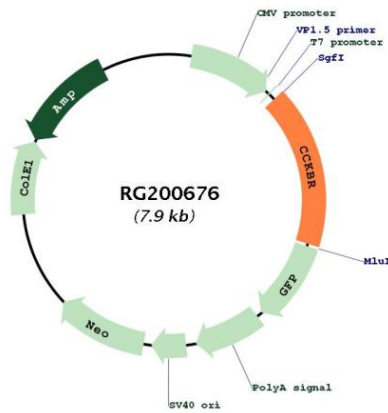
Cytogenetics: 11p15.4

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Calcium signaling pathway, Neuroactive ligand-receptor interaction

Gene Summary: This gene encodes a G-protein coupled receptor for gastrin and cholecystokinin (CCK), regulatory peptides of the brain and gastrointestinal tract. This protein is a type B gastrin receptor, which has a high affinity for both sulfated and nonsulfated CCK analogs and is found principally in the central nervous system and the gastrointestinal tract. Alternative splicing results in multiple transcript variants. A misspliced transcript variant including an intron has been observed in cells from colorectal and pancreatic tumors. [provided by RefSeq, Dec 2015]

Product images:



Circular map for RG200676