

Product datasheet for **RC218133**

GPR88 (NM_022049) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR88 (NM_022049) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GPR88
Synonyms:	COCPMR; STRG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218133 representing NM_022049 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCAACTCCTCCTCCACATCCACCTCCTCCACCACCGGTGGCTCGTGTCTGCTCTGCGAGGAAG
AGGAGTCGTGGGCGGGCCGGCGCATCCCGGTGTCACTCCTGTATTCGGGCTGGCCATCGGGGACAGCT
GGCCAACGGCATGGTCACTATCTCGTGTCTCCTTCCGAAAGCTGCAGACCACCAGCAACGCCTTCATC
GTGAACGGCTGCGCCGCCGACCTCAGCGTCTACGCCCTGGATGCCGAGGAGGCGGTGCTCGGGCTCC
TGCCACCGGCTCTGCGGAGCCCCCGCAGACTGGGACGGCGCTGGGGGAGCTACCGCTGCTACGGGG
TGGGTGCTGGGCTCGGACTCACGGTGTCCCTCCTCTCCCACTGCCTCGTGGCCCTGAACCGCTACCTG
CTCATCACCCGGGCGCCGCCACCTACCAGGCGCTGTACCAGAGGCGCCACACGGCGGGCATGCTGGCGC
TGTCTGGGCGCTCGCCCTGGGCTCGTGTCTGCTCCCGCCCTGGGCACCGCGGCCGGCGCCGCGCC
ACCGCGAATCCACTACCGGCGCTGTGGCCGCCCGGCGCTGTGGCGCAGACAGCTCTGCTGTGCAC
TGCTACCTGGGCATCGTGCGCCGCTGCGTGTCAAGCGGGTCAAGCGTCAACTTCCACTGC
TGACACAGTTGCCCGCTGCGCCGCCCGCCGCCCTTCCGGGCGCCAGCAGCGCCGGGCCCCGG
TGGCGCCGCGCACCCGGCGCAGGCCAGCCCCGCGCCCGCGCTGCACCCGGCGGGGACAGCGGCGT
CTCAGCGCCTGTCCGTGCTGCTCTGCTGCGTCTTCTGCTGGCCACGCAGCACTGGTGTGGGTGA
GCCTGGCCAGCGCTTCTCGCTGCCGCTGCCCTGGGGAGTGCAGGCGGCCAGCTGGCTCCTGTGCTGCGC
CCTGTCCGCGCTCAATCCGCTGCTCTACAGTGGAGAACGAGGAGTTCCGCCGCTCCGTGCGCTAGTC
CTGCCGGGCGTCGGGACGCGGGCGGCGCTGCCGTTGCCGCCACAGCCGTGCCGCGAGTGTCCAGGCGC
AACTGGGCACCCGCGCCGGGCGCAGCACTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC218133 representing NM_022049
Red=Cloning site Green=Tags(s)

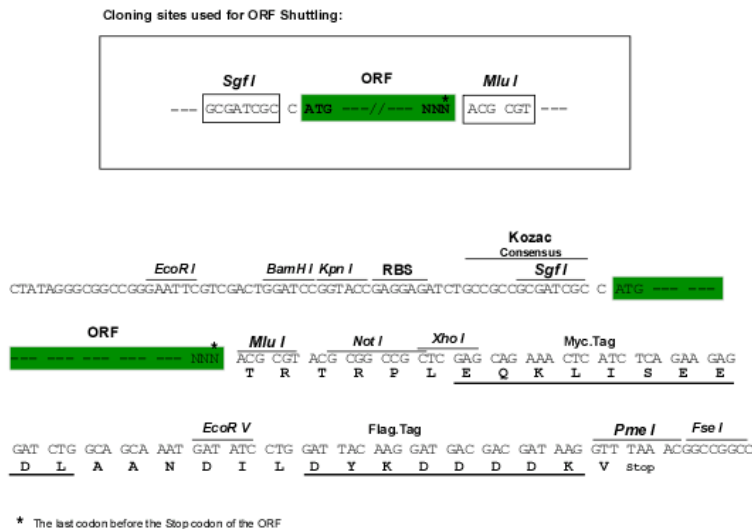
MTNSSSTSTSSTGGSLLLLCEEEESWAGRRIPVSLLYSGLAIGGTLANGMVIYLVSSFRKLQTTSTNAFI
 VNGCAADLSVYALWMPQEAVLGLLPTGSAEPPADWDGAGGSYRLLRGLLGLGLTVSLLSHCLVALNRYL
 LITRAPATYQALYQRRHTAGMLALSWALALGLVLLLPWAPRPGAAPPRIHYBALLAAAAAQAQTALLLH
 CYLGIVRRVRVSVKRVSVLNFHLLHQLPGCAAAAAAFPQAQHPGPGGAHPAQAPLPPALHPRRAQRR
 LSGLSVLLCCVFLATQPLVWVSLASGFSLPVPWGVQAASWLLCCALSALNPLLTYWRNEEFRRSVRSV
 LPGVGDAAAAAVAATAVPAVSQAQLGTRAAGQHW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6824_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022049

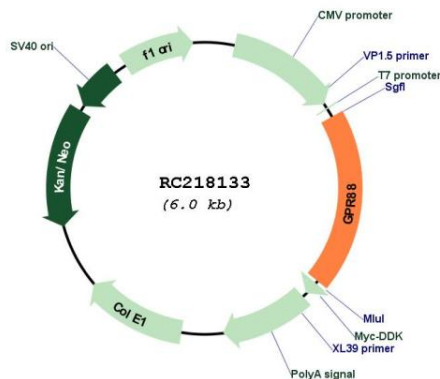
ORF Size: 1152 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_022049.3</u>
RefSeq Size:	3517 bp
RefSeq ORF:	1155 bp
Locus ID:	54112
UniProt ID:	<u>Q9GZN0</u>
Cytogenetics:	1p21.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
MW:	40.1 kDa
Gene Summary:	The protein encoded by this gene is a G protein-coupled receptor found almost exclusively in the striatum, a brain structure that controls motor function and cognition. Defects in this gene have been associated with chorea, speech delay, and learning difficulties, as well as some neuropsychiatric disorders. [provided by RefSeq, Mar 2017]

Product images:



Circular map for RC218133