

Product datasheet for **RG215042**

MCH2 (MCHR2) (NM_001040179) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MCH2 (MCHR2) (NM_001040179) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MCHR2
Synonyms: GPR145; GPRv17; MCH-2R; MCH-R2; MCH2; MCH2R; MCHR-2; SLT
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG215042 representing NM_001040179
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCCATTTTCATGCATCTTGTGGAAACACCTCTGCCGAACCTTTAAACAAATCCTGGAATAAAGAGT
TTGCTTATCAAAGTCCAGTGTGGTAGATACAGTCATCCTCCCTCCATGATTGGGATTATCTGTTCAAC
AGGGCTGGTTGGCAACATCCTCATTGTATTCACTATAATAAGATCCAGGAAAAAACAGTCCCTGACATC
TATATCTGCAACCTGGCTGTGGCTGATTTGGTCCACATAGTTGGAATGCCTTTTCTTATTACCAATGGG
CCCGAGGGGAGAGTGGGTGTTGGGGGCCTCTCTGCACCATCATCACATCCCTGGATACTTGTAAACCA
ATTTGCCTGTAGTGCCATCATGACTGTAATGAGTGTGGACAGGACTTTGCCCTCGTCCAACCATTTGCA
CTGACACGTTGGAGAACAAGGTACAAGACCATCCGGATCAATTTGGGCCTTTGGGCAGCTTCTTTATCC
TGGCATTGCCTGTCTGGGTCTACTCGAAGGTCAAAATTTAAAGACGGTGTGAGAGTTGTGCTTTTGA
TTTGACATCCCCTGACGATGACTCTGGTATACACTTTATTTGACGATAACAACCTTTTTTTTCCCTCTA
CCCTTGATTTTGGTGTGCTATATTTAATTTATGCTATACTTGGGAGATGTATCAACAGAATAAGGATG
CCAGATGCTGCAATCCCAGTGTACAAAACAGAGAGTGATGAAGTTGACAAAGATGGTGTGGTGTGGT
GGTAGTCTTTATCCTGAGTGTGCCCTTATCATGTGATACAACCTGGTGAACCTACAGATGGAACAGCCC
ACACTGGCCTTCTATGTGGTTATTACCTCTCCATCTGTCTCAGCTATGCCAGCAGCAGCATTAAACCTT
TTCTCTACATCCTGTGAGTGGAAATTTCCAGAAACGCTCTGCCTCAAATCCAAGAAGAGCGACTGAGAA
GGAAATCAACAATATGGGAAACACTCTGAAATCACACTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG215042 representing NM_001040179
 Red=Cloning site Green=Tags(s)

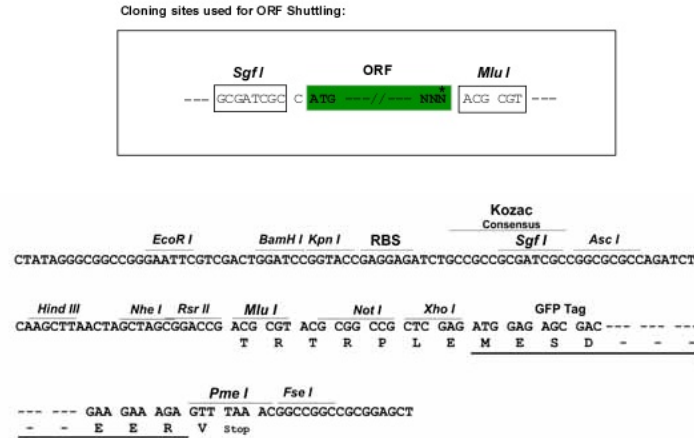
MNPFHASCWNTSAELLNKSWNKEFAYQTASVVDTVILPSMIGIICSTGLVGNILIVFTIIRS RKKTVPDI
 YICNLAVADLVHIVGMPFLIHQWARGGEWVFGGPLCTIITSLDTCNQFACSAIMTVMSVDRYFALVQPF
 LTRWRTRYKTIRINLGLWAASFILALPVWVYSKVIKFKDGVESCAFDLTPDDVLWYTLYLITTTFFPL
 PLILVCYILILCYTWEMYQNKDARCCNPSVPKQRMVLMKMLVLVVVFILSAAPYHVIQLVNLQMEQP
 TLAFYVGYLISICLSYASSSINPFLYIILLSGNFQKRLPQIQRRATEKEINNMGNTLTKSHF

TRTRPLE - GFP Tag - V

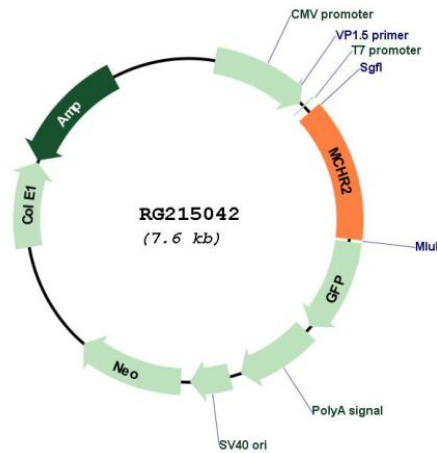
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001040179

ORF Size: 1020 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:	<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:	NM_001040179.2
RefSeq Size:	2368 bp
RefSeq ORF:	1023 bp
Locus ID:	84539
UniProt ID:	Q969V1
Cytogenetics:	6q16.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	Receptor for melanin-concentrating hormone, coupled to G proteins that activate phosphoinositide hydrolysis.[UniProtKB/Swiss-Prot Function]