

Product datasheet for **RG224080**

C20orf132 (MROH8) (NM_213632) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C20orf132 (MROH8) (NM_213632) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C20orf132
Synonyms:	C20orf131; C20orf132
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG224080 representing NM_213632
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTGTCCCGCAGGGGAAGGGGATCCCGCCTGGCCGGCTCTCGAGCGGCGACTAGTAACCTCCCGC
 GGGCGACAGCCCTCTCCCAAAGAGTGCCGGCCGCGGGCCCTGTCTATAAGCCACGCGCAACTCCTCAC
 CCGGCGCGCGCATTCTCCGAGCAGGTCCCGCCGAGTCCGAGCCGCGGGCTGACTTCCGCTCGGGAAAG
 TGGCTCCAAGAGCCCGCCACAGGGGACGCCAGGGACTCGCGCAGGCTCTGCGGGCCAGGATGAGTTCTA
 AGCACAGGATCTGTAGTCAGGAAGAAGTAGTGATCCCCTGTGCCTATGACAGTGATTGAGAAAGTGGA
 TTTGGAGCTGAGCAACTAGAGATTATTAAGGCTCAAGTAGCATTGAACTGACAGACTTGACATC
 CCTGACATCCCTGGACTCCATTGTGAGCCCTGTACATAGCCCCAGACACCTGACCCAACAGGACCCGC
 TCAGTGAGGCCATTGTTGAGAACTGATCCAGTCCATCCAGAAGGTTTTCAATGGTGAGCTAAAGGGTGA
 ACTTGAAGGCTGAAATTCCTAGGAGATCTGTCTTCTCTCAGCCAAGCTTACCTTATGATGAAACCGCA
 AAATCATTCAATCACAGCCACATAGCAGACATTGTGCATACCTTAAATGTACTGGTACAAGGAACGCC
 CGCATTCTCTGTCCAGTCCATGCGCCAGGAGGTCTTTGTCAACATCGCTGATCTCAGTTACCAAGATGT
 CCATTTGCTGTTGGGCTCTGAAGATCGAGCTGAGTTGTTCACTTACCATCAAGAGTATAATCACTCTG
 CCCTCTGTAAGGACCTTACCCAGATACAGGAAATCATGCCCAATGGGACCTGCAACACAGAGTGCTTT
 ACAGGCAGACGTTTCAGGCATTCTGAGATGCTCCAGAGTTTGGTGGTAAAAGACCCACATTTGAAAA
 TCTTGACACATTATTAAGCTTCCACTGCGATTCCAAAGACTTGACACCTAGTGCTCTGATGGCACTG
 CTCTGTGGGACCCACAGGAAAAGGTGGCTGAGGAGGCTGCAGAGGCGATTCACTCCCTGCTGCATATCA
 CCCTGAGGCTGAAGTATATCACTCATGACAAGAAAGATCAGCAAACTTGAAAAGAGCATTGACAAAATG
 TCGAGAATTCTGGAGCTCCACAGCTCTGCCGCTAAATGCTTCTACAACGTCCCTTCAGAATTGCCAG
 GTCTTTGAAGTTTTCTTGATTCAAATGAGCTCTGCCAGTTTATAATGACTACATTTGATACCCTGAAAA
 ACCTGAAACATCCCTGCATCCAGCGATCAGCAGGAGAATTACTGTAACCTTTGGCGAAAAATACAGAGTC
 CCAATTTGAGAAGGTGCCAGAAATTATGGGAGTTATCTGTGCCAGTTATCCATAATCAGCCAGCCTAGA
 GTCCGCCAACAAATCATAAATACCGTGAGTTTATTTATATCCAGACCAAGTACAGATATAGTGCTCA
 GCTTCCTCTGTGTCATCCAGTGCCGTATAACAGGCACCTGGCTGAGGTGTGGAGAATGCTGTGGTGGA
 GCTTCCAGCACGACCTGGATTCTGTGGAGGCTCCTGAGGAAGCTGCAGAAATGCCATAATGAGCCTGCA
 CAGGAGAAGATGGCATATGTGGCTGTGGCTGTAAGCCCT

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG224080 representing NM_213632
 Red=Cloning site Green=Tags(s)

MPLSRRGRGSRLAGSRAATSNLPRATALSPKSAGRGALSI SHAQLLTRRRHSSEQVPPPESEPRADFRSGK
 WLQEPATGDARDSRQALRARMSSKHRICSQEEVVIPCAYDSDSESVDEL SNLEIIKKGSSSIELTDLDI
 PDIPGLHCEPLSHSPRHLTQQDPLSEAI VEKLIQSIQKVFNGELKGELEKLKFLGDLSSL SQALPYDETA
 KSFIHSHIADIVHTLNLVQEERPHSLSSMRQEVFVTIADLSYQDVHLLGSEDRAELFSLTIKSIITL
 PSVRTLTQIQEIMPNGTCNTECLYRQTFQAFSEMLQSLVVKDPHLENLDTIKPLRFQRLGHLVALMAL
 LCGDPQEKVAEEAAEGIHSLHLITLRLKYITHDKDQQLKRALTKREFLELHSSAAKCFYNPCFRIAQ
 VFEGFLDSNELCQFIMTTFDTLKNLKHPCIQRSAGELLLTLAKNTESQFEKVPEIMGVICAQLSII SQPR
 VRQQIINTVSLFISRPKYTDIVLSFLLCHPVPYNRHLAEVWRMLSVELPSTTWILWRLLRKLQKCHNEPA
 QEKMAYVAVAVSP

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_213632

ORF Size: 1719 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_213632.1](#), [NP_998797.1](#)

RefSeq Size: 2028 bp

RefSeq ORF: 1722 bp

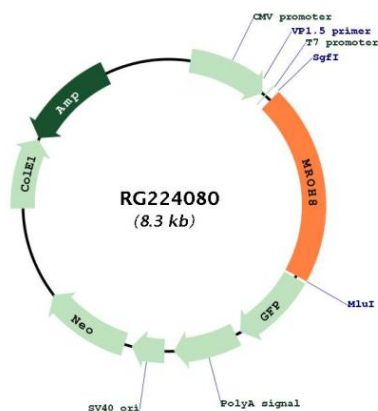
Locus ID: 140699

UniProt ID: [Q9H579](#)

Cytogenetics: 20q11.23

Gene Summary:

The protein encoded by this gene belongs to the maestro heat-like repeat family. The exact function of this gene is not known, however, in a genome-wide association study using hippocampal atrophy as a quantitative trait, this gene has been associated with Alzheimer's disease (PMID:19668339). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2013]

Product images:


Circular map for RG224080