

Product datasheet for **RC224080**

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:	Myc-DDK
Symbol:	C20orf132
Synonyms:	C20orf131; C20orf132
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC224080 representing NM_213632
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCTGTCCCGCAGGGGAAGGGGATCCCGCTGGCCGGCTCTCGAGCGGCGACTAGTAACCTCCCGC
 GGGCGACAGCCCTCTCCCAAAGAGTGCCGGCCGCGGGCCCTGTCTATAAGCCACGCGCAACTCCTCAC
 CCGGCGGCGCATTCTCCGAGCAGGTCCCGCCGAGTCCGAGCCGCGGGCTGACTTCCGCTCGGGAAG
 TGGCTCCAAGAGCCGCCACAGGGGACGCCAGGGACTCGCGCAGGCTCTGCGGGCCAGGATGAGTTCTA
 AGCACAGGATCTGTAGTCAGGAAGAAGTAGTGATCCCCTGTGCCTATGACAGTGATTGAGAAAGTGGA
 TTTGGAGCTGAGCAACTAGAGATTATTAAGGCTCAAGTAGCATTGAACTGACAGACTGGACATC
 CCTGACATCCCTGGACTCCATTGTGAGCCCTGTACATAGCCCCAGACACCTGACCCAACAGGACCCGC
 TCAGTGAGGCCATTGTTGAGAACTGATCCAGTCCATCCAGAAGTTTCAATGGTGAGCTAAAGGGTGA
 ACTTGAAGGCTGAAATTCCTAGGAGATCTGTCTTCTCTCAGCCAAGCTTACCTTATGATGAAACCGCA
 AAATCATTCAATCACAGCCACATAGCAGACATTGTGCATACCTTAAATGTACTGGTACAAGGAACGCC
 CGCATTCTCTGTCCAGTTCATGCGCCAGGAGGTCTTTGTCAACATCGCTGATCTCAGTTACCAAGATGT
 CCATTTGCTGTTGGGCTCTGAAGATCGAGCTGAGTTGTTCACTTACCATCAAGAGTATAATCACTCTG
 CCCTCTGTAAGGACCTTACCCAGATACAGGAAATCATGCCCAATGGGACCTGCAACACAGAGTGCTTT
 ACAGGCAGACGTTTCAGGCATTCTCTGAGATGCTCCAGAGTTTGGTGGTAAAGACCCACATTTGGAAAA
 TCTTGACACATTATTAAGCTTCCACTGCGATTCCAAAGACTTGGACACCTAGTGCTCTGATGGCACTG
 CTCTGTGGGACCCACAGGAAAAGTGGCTGAGGAGGCTGCAGAGGCGATTCACTCCCTGCTGCATATCA
 CCCTGAGGCTGAAGTATATCACTCATGACAAGAAAGATCAGCAAACTTGAAGAGCATTGACAAAATG
 TCGAGAATTCTGGAGCTCCACAGCTCTGCCGCTAAATGCTTCTACAACGTCCCTTCAGAATTGCCAG
 GTCTTTGAAGTTTTCTTGATTCAAATGAGCTCTGCCAGTTTATAATGACTACATTTGATACCCTGAAAA
 ACCTGAAACATCCCTGCATCCAGCGATCAGCAGGAGAATTACTGTAACCTTTGGCGAAAAATACAGAGTC
 CCAATTTGAGAAGGTGCCAGAAATTATGGGAGTTATCTGTGCCAGTTATCCATAATCAGCCAGCCTAGA
 GTCCGCCAACAAATCATAAATACCGTGAGTTTATTTATATCCAGACCAAGTACAGATATAGTGCTCA
 GCTTCTTCTGTGTCATCCAGTGCCGTATAACAGGCACCTGGCTGAGGTGTGGAGAATGCTGTGGTGGA
 GCTTCCAGCACGACCTGGATTCTGTGGAGGCTCTGAGGAAGCTGCAGAAATGCCATAATGAGCCTGCA
 CAGGAGAAGATGCATATGTGGCTGTGGCTGTAAGCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224080 representing NM_213632
 Red=Cloning site Green=Tags(s)

MPLSRRGRSRLAGSRAATSNLPRATALSPKSAGRGALISHAQLLTRRRHSSEQVPPSEPRADFRSGK
 WLQEPATGDARDSRQALARMSSKHRICSQEEVVIPCAYDSDSESVDLELSNLEIIKKGSSSIELTDLDI
 PDIPGLHCEPLSHSPRHLTQQDPLSEAIVEKLIQSIQKVFNGELKGELEKLKFLGDLSSLQALPYDETA
 KSFHSHIADIVHTLNLVQEERPHSLSSMRQEVFVTIADLSYQDVHLLGSEDRAELFSLTIKSIITL
 PSVRTLTQIQEIMPNGTCNTECLYRQTFQAFSEMLQSLVVKDPHLENLDTIKPLRFQRLGHLVALMAL
 LCGDPQEKVAEEAAEGIHSLHLITRLKYITHDKKDQNLKRALTKREFLELHSSAAKCFYNCPPFRIAQ
 VFEGFLDSNELCQFIMTTFDTLKNLKHPCIQRSAGELLLTLAKNTESQFEKVPEIMGVICAQLSII SQPR
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 QEKMAYVAVAVSP

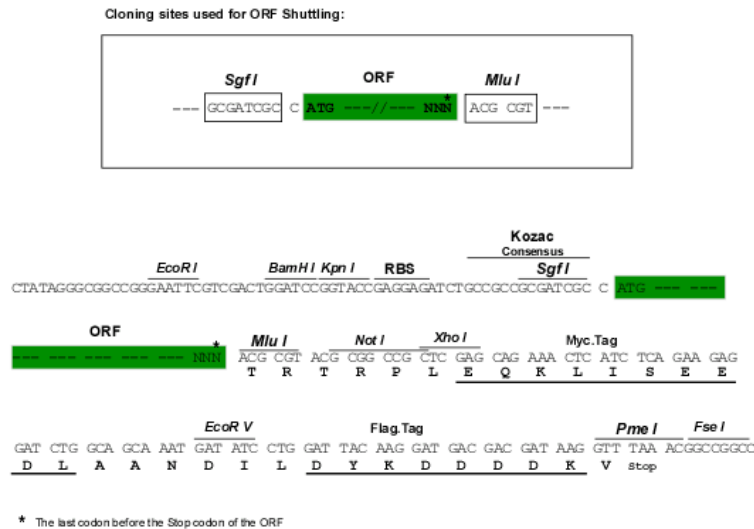
TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mk8067_h11.zip

Restriction Sites:

Sgfl-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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_213632.1](#), [NP_998797.1](#)

RefSeq Size: 2028 bp

RefSeq ORF: 1722 bp

Locus ID: 140699

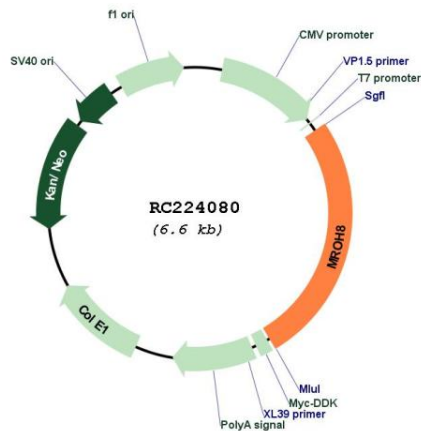
UniProt ID: [Q9H579](#)

Cytogenetics: 20q11.23

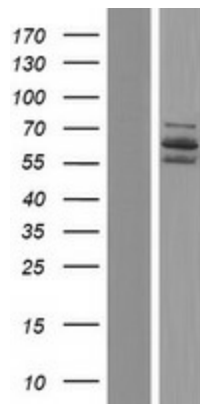
MW: 64.4 kDa

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 RC224080



Western blot validation of overexpression lysate (Cat# [LY403871]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224080 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).