

Product datasheet for **RC239663**

MROH7 (NM_001291332) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MROH7 (NM_001291332) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MROH7
Synonyms:	C1orf175; HEATR8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239663 representing NM_001291332
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGATCCTGACCCAGCTGAGCCACACCCAGCCACCCTGGGCATGCGGGAGAGGTGCGGAGCTGGTGA
 ACGTGTGTGTGCACAGCGTGTCTCCCTGCCCTCCGTGCAGGCGATGCAGGAGAAGGACGAGGCCAAGGC
 TGAGACCATCCAGGCTCTTTACCATCAGACCCTGGAGGCCCTGCAGACACTGCTCAAAGCCCTCTTTATC
 GAGGACCCCACTCCTGCTGGGCTGAAGAGCATCTTGAGGCCCTGGGGCCTTGGATGAACTCTGGGAAGG
 CCCATGAGCGAGCAGGGCTGTGAACACCAATGTCTGTGTGAACCACATGCTTCTAACTCTGCCTTT
 CTTTATGCCCTTGGGTTCCCGCGCTGGGGCTTCTGCTGGGAGACTCATCCTTCACATTGGGGATCCT
 GATGAGGAGATTGGCTGTGAGGCTCTGGACGGCATCATCATCCTCTACACTATTCTGGAGCTCCAAAAAC
 GAGCCAGAGATAAGGAAGAGACCAACAAAAGGAGCTATATGAGAGCAACAAGCATTTCTGGGGCCCTA
 CAACCCTGTGAGCCCGTCCAGAACATTCTGCGGGTGATCGAGGAATTTGGAGACTTCTGGGGCCCGAG
 CAGATAAAGGACCTGCTGCTGGCCGCCCTGGAAGGGCTGAAAGGCAGCTCAGAGGCTCCAGGGAAGGACT
 CCAGGGAGATGATGCAGCTGGCCTCGGAGGTATGCTCAGCTCGGTGCTGGAGTGGTACCGCCACAGGGC
 GCTGGAGGTGATCCAGAAATCATGCAAGGCATCTACATGCAGCTGAGCCACATCCAGGAGCCTCGGGCC
 CGCCAGGTGGCCCTGCTGCCCGTCTCCCTCCTGGCTAGCTCCTTCATGACCGAGGTTGTGGTGGCCCTGC
 TCATGTGCCCCCTCCCACTGAACAGCAATGGAGCAGAGATGTGGAGGCAGCTGATACTGTGAAGCCAG
 CTGTGATGTCCGAGACCTCCTGGATCTGCTCCTGGGCAGCCTGAAGGAGAAGCCCGTCACCAAGGAGGGC
 CGGGCTTCCATCGTGCCCTGGCGGCAGCCAGCGCCCTGTGCGAGCTCCTGTCCGTCAACAGCTGCATGG
 GCGGTGTGAGGCGCATCTACCCTCAGCTGCTCCTGGCCCTGCTCATTAGGTCCATTACCATATCGGCCT
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 CGAGGCGACGAGAAGCACAGGATCACGGCCACCGCCTTCTTCTGGAGCTCCTCCAGATGGAGCAGGTGC
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 GGTGCTGTCCATTCGAGGCTGGTATCCTGGCCCGCAGGTCTGAGAAGACCGCCAAGGTGAAGGCCCTC
 CTGCCCTCCATGGTGAAGGGCTGAAGAACATGGATGGGATGCTGGTGGTGAAGCGGTCCACAACCTCA
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 GCTGCCGCACTTCAGCGACGCACGAGAGGTCTGCGCTCCTCCTGCATCAACCTGTATGGGAAGGTGGTC
 CAGAAGCTTGGGACACCGCACTCAGGCCATGGAGGAGCAGTGGTCAGCACCTTGGTGGCCCTACTGC
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 GGCTGCCGCACGGAACTCATGGGTGTGTTACTCAGCCACCACCCACCGTGGAGCCCCAGCTGTGAGAA
 CCTGCCCACTTCCACCAGCGGCGCTCCTGGATCATGCAGGCACTGGGCTCCTGGAAGATGCTCTTGAAG
 AAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239663 representing NM_001291332

Red=Cloning site Green=Tags(s)

MEILTQLSHTQPTLGMERSELVNVCVHSVFLSPSVQAMQEKDEAKAETIQALYHQTEALQTLALKFI
EDPTAGLKSI LEALGPWMNSGKAHERARAVNTNVSVLNHMLLTLPFFMPLGFPALGLLLGRLILHIGDP
DEEIGCEALDGIILYITILELQKRARDKEETNKKELEYENKHLGPYNPVSQCQNILRVIEEFGDFLGPQ
QIKDLLAALEGLKGSSEAPGKDSREMMQLASEVMLSSVLEWYRHRAL EVIPEIMQGIYMQLSHIQEPA
RQVALLPVSLASSFMTEVVVALLMCPLPLNSNGAEMWRQLILCKPSCDVRDLLDLLGSLKEKPVTKEG
RASIVPLAAASGLCELLSVNSCMGRVRIYPQLLLALLIQVHYHIGLNLPGCVAPPKDKTKGAQSPFVP
VRWVVKVVKTL LRMGCSYETTFLEDQGGWELMEQVESHHRGVALLARAMVQYSCQELCRILYLLIPLLE
RGDEKHRI TATAFFVELLQMEQVRRIP EEEYSLGRMAEGLSHHDPIMKVL SIRGLVILARRSEKTAKVKAL
LPSMVKGLKNMDGMLVVEAVHNLKA VFKGRDQKLMDSAVYVEMLQIILLPHFSDAREVVRSSCINLYGKVV
QKL RAPRTQAMEEQVSTLVP LLLTMQEGNSKVSQKCVKTLLRCSYFMAWELPKRAYSRKPWDNQQTVA
KICKCLVNTHRDSAFIFLSQSLEYAKNSRASLRKCSVMFIGSLVPCMESIMTEDRLNEVKAALDNLRHDP
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K

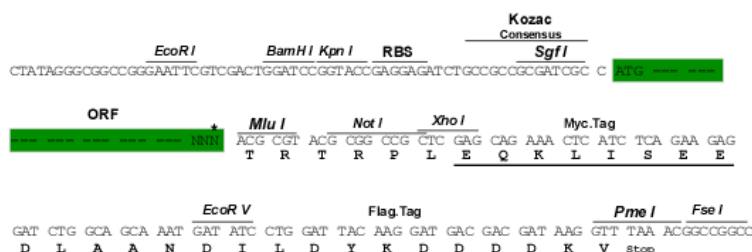
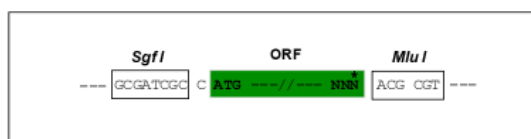
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

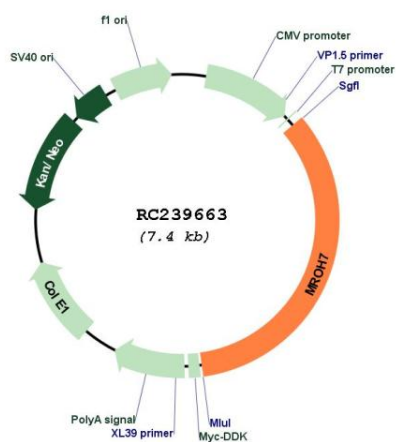
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_001291332
ORF Size:	2523 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_001291332.1 , NP_001278261.1
RefSeq Size:	3048 bp
RefSeq ORF:	2526 bp
Locus ID:	374977
Cytogenetics:	1p32.3
MW:	95.2 kDa

Product images:



Circular map for RC239663