

Product datasheet for MR215098

Mroh1 (NM_175457) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mroh1 (NM_175457) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mroh1
Synonyms: D330001F17Rik; Heatr7a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR215098 representing NM_175457
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCAGGCCCTACATAAAGAGGCTGTCTTCACCCCTCTGGACTCCATCACTGACAAGGATCCTATGG
 TCCAGGAGCAGGTCTGCAGTCACTCTGTTCCCTTGGAGACGCGCAGCCAGACGAGACACTCCATGCCTG
 TGAGGAGTACCTACGGCAGCATGACAAGCTGGCTCACCCGTACCGTACGAAGATCCTGAGGGCCATGGAG
 ACAGTACTAAGCAGTCATATCCATGACCTGGACAAGGACTGCCGGCGTGTCTCCTCTGGCTACCA
 GCGAGATGACAAGGACCAAGGAGCTGGACTGTGACTGGCAGCAGGCTGCAGGCAGTGTCTGGTGGCTGT
 TGGCAAGCGATTACCAACCAGGTGATGGAGGAGGTGCTCAGCCGTTCCAGCCTGGGATGCTGCCCCAC
 TCCTCCGTGCTGCACACTCGCCAACCTCTCAGTGTCCAACGCATTTGATATGGTTCCTTTTCTGCCGT
 CCATCCTGAGCACCATGCTGCCTATGCTGAGCATGGCCAAGCAGGACGCGCTGAAGGTGGTGTCTGCGG
 CGCTCTCCAGCACTTCAGCGAAAGCATCTTGAATACCTGGCCAACCTGGACCAGGCCCCAGACCCACA
 GTGAGGAAGGACACCTTTGGGGCTGACATCTTTGGCGCTATGATGTTCTTCCACCACTGGCTGCAGA
 GCCGAGATGCCAAGCTCCGGCTTGCCGTGGTGGCGCTCTGGTCCCATGAGCCACTGCTTCCCAGTGA
 GAGGCTGGAAGAAGCAGCTCCCTAAGCTCCTCCCTGCAGTCTCGGCTCTACAAGAAGCATGCGGAGGCC
 TTTGAGATATCGAAGAGCCTGGCCAGATTCTCGAGGCAGCTGTGAACGTGAGCAGCCGTACCCCTGGAG
 TTCAGCTTGATGCCCTCCTGGTGGCTCTCATGCTCAGATTTGTGTGCCTGTGGAGTCTCGAGCCCTCT
 GGTGATGAACAGCCAGAAGGAGGTGCTTCGCTGCTTACAGTGTGCGCTGCTGCTCTCCTGACCGTCTG
 CTGGCCTTCTTACTGCCAGGCTGGACACCAGCAACGAGAGGCTCCGCGTGGTACCCTGCAGATCCTGA
 GACACATCACTCGGCTGCCGCTCAGATGGAGGCTAAGCAGCCCTTATCCTCTCCTCCATGAGGCT
 GCCTCTTCTGGACACCAACGATAAAGGTGAAACGGGCTGTGGTGCAGGTGATCAGTGCCATGGCCACCAC
 GGCTACTTGGAGCAGCCTGGAGGAGAGGTGATGGTTGAGTATATTGTGCAGCAGTGCGCCCTGCCGCCG
 AGGAGCCTGAGAAGCCTGGCCCTGATGGGAGGACCTGGCGCAGATAGCGTGCAGGCTGTCAGTATCCG
 CACCCTACCTGGTCAGCACCACAGTGGATAGGATGAACAGTGTCTCTGGCCCTACCTCCTCGAGTTC



[View online >](#)

CTCACCCCGTGCCTTCACTGCGGCCCTCACCCGCTCTGCAGGAGCCTTGTGCACTTAGCCCTGAAGA
 GGCAGGAGGCTGGGGCAGATGATTTCTCATCCAGTACAACGCGAATGCAAACCTCCCGTCTCCCTTCG
 TATGACCACACGACTGCTGGTTGTGCTTCTAATCCCTACCTGGGAGATGGGCGTGGAGCGGCCCTCCCTG
 CGCTCCTGAAGGTTATGCATCAGAATATCCACCTTTCTGGCCAGCGGTGGGAGACAACCATGCCCA
 TGCTGTGGAGTACCTGGATGAGCACACCGAGGAAAGCCTGTACTGAAGGAGTGGGAAGAAAAGCTTCT
 AATGTTCTGCGAGACACCTGGCCGTAGTATCTGACAACATCTGGATCTGCCAGCTGAGCCAAGAGATG
 TGCAAGCAACTGCCCTTTACAGTGGGACTCCTCAGGAGAAGAAGTTCCTGTATAAGTGCATTGGAACCA
 CGCTGGGTGCTGCTTCAAGTAAGGAGGTGGTGGGAAACACCTCCGAGAGCTGCTGGAGACAGCCAGATA
 TCAAGAGGAGGCAGAGCAGGAGGCCCTGGCCTGTTGCTTTGGGATCTGTGCCATTACCCACCTTGAGGAC
 ACTCTAGCACAGCTGGAGGACTTTGTGAGGTGAGACGTGTTTAGGAAGTCCACCGGCATCTTTAGCATT
 TTAAGGATCGAAGCGAGCACGAAGTGGAAAGAATGAAGAGCTGTCTGATCCTGTGCTACGGGCACGTGGC
 TGCCAGGCCCTCGGGAGCTGGTGTGGCCAGGGTAGAGTCTGATATCCTGCGCAGCATGTTCCAGTGC
 TTCAACACCAAGTCTGGGAATAAAGGTAGAGACCAAGGACCCGGCCCTGAAGCTCTGCCTCGTCCAGA
 GCCTGTGCATGGTCAGCCAGGCCATGTGCAGCAGCGCACAAAGCCAGCTCCTTCCACTTCTTGAGGAAAAC
 AGAGCTGGTGACACAGATGATGGAATTCATCAGGGCAGAACCCAGACTGCCTGAGAACACCCATTCCGG
 AAGAAAGCCATGTTGGCCTGCACATACCTGGTCAACTGGAGCCCGCGCTGGAGGAGCAGACACAGGCAG
 ATGTGGTCCACAGCTGCCTACACAGTGTATGGCCCTGCCACCTGAGGCTGAGGGGGGAGATGGCGTTGG
 CCGGGAGCCTCTGTATCTGGACACGGTGTGTGCCCTTGAAGACTTGTTAAACAAGACTGCTGCGGCAGAAC
 ATGACCCCAAGGCCTGCAGATCATGGTAGAGCACCTGAGCCGTGGATCAAGTCCCGAGGGGTCATG
 AGCGGGCACGAGCACTTGGCTTGGGCGCCTGCCTGCTGGAGTCTTCCAGGAGCACTTGTGTGTCAGCAC
 ATTTGGTACCCTTCCACAACCTGGGTCTCCTGGTGGTCTCTTGGTCCACGGTGTGCGGACACATGGACT
 ACCACCCGCCAGAAAGCCGTGGGCTGTGTCTATCCCTGCTCTACTTGCAGCTGGGCTATGAGGGCTTCT
 CCCGAGCCATCGTGATGATGTGGCCGAGCGGCTCCTCACCTGCAGGATGGCCTGTGAACGATGATCC
 CACCATCCTTTCCACACTTGCCACAGCATAGCCAGGTATCGCCAAGCGCCTCCCTCAGACCAGCTC
 ATCAGTCTCTTGCTCACGGTGTGGAGCCTGGGAGACCAGACAAGAAGTCTCGCGCCAGCCACAG
 TCATGATCAACTGCCTGTGAAGGAGCGGGCAATGTGCTGCTGGAAAAGGTACCTGAGATTGTGAGTGT
 GTTGCGAGCCAAGCTGCGGGATACCCAGGAGGAACACGTCTACCAGCTGCCAGCACAGTGTATACCTC
 CTAGCATCTCAGCACTGCGAGGCTGTGGTATCCAGTCTCCTGGGAGCCCTGCCTTTTGACAGCCACA
 CCTGCGCCCTGTGGCGGCACTGGCAGTGGAGCCCGCCTCACGGCTCAGGTCTTAGAGTACTTCTGGA
 GAAGATGAGCAAAGATGTCCATTCAAGGAGAGCCGTGCCTTCTCCTGGGCAGCACTGCAGACAGAGTA
 GCGAGCTGCTTCCCCTTGGGCCACCTGTGACTGTATGAAGTCTGTCTGCCCATCATCTGGAACCG
 TGGTCTAGAGCTCTACCCTCAGCTGTTGCGAGCACTCCTCCTACGAGTTAGCTGTACTGTGGGTGTGCA
 GCTGCCCCGGAACCTGCAAGCAAGGAGCGGAGAAGCACCAGCCCGCCAGAGCAGCCAGGAATCTTGAT
 CCCTGCAGCTCTGCAGTGGATGCCCTTACAGCCCTGCTGCTCCGAGTGGCAGTCAAGGACATGCTGCGCT
 GTGTTGAACTGGAGCGGGGCTGGGAGCTACTCAAAACCTCGGCAGGGCACGAAGTGGAGTTGCCAGCT
 GGCAAGTTCATGGCAAAGTATGCAGGCCCCCGACTTCTCCGGTGACAAAGGCCCTCGCGTGCACACAG
 AACAGTGTGTATGAGATCCAGAGGGTCACTTCCACAGCTTCTGGTGTGACTACTTAGCAGTACGTGG
 TCAATGACCTGATGCTCCTGGAACCACTGCTGGACAACCTGACAGCCCGCTAAAGGATTCAGTGCCAG
 CGTACGGCGTCTAGTGTCCGAGGCCCTGGCCAACATGGCTTCTGGCTCACCTGACAAGGTGCGAGTCA
 GGCCCGCAGCTCCTGACAGCCATGGTCACTGGACTGGATGATGGTGTGATGAACCACACAGTCCAGTGGCCT
 TGGAAAGCCATGGTGGCCTTTCACGGTCTGGATCTAGTGGAGCCATGGGACCTACGCTTGGTGTGCT
 GCACACGACCATCCGCATCCGGCCCTTCTTTGACAGTGAAGAAAGTGGAGTTCAAGGACAGCATCCATCCGC
 CTCTTTGGACACCTGAACAAGGCCTGCCATGGGACTGTGAGGATGTCTTCTGGAGCAGGTCGTGGGTG
 GGCTGGTGGCACTCCTACTGCATCTGCGGGACCCTCAGGTTCCAGTGGCCAGTGCCTGCAAGTTGCCCT
 GTGCATGTGTGTCCCCACCTGGAATGTGCGGAGCTGGCGGCTGCCTTCTACAAGTACCTTCAAGAGGGC
 CGCAGTGTCCACTTTGGGAGTTCCTCAATTCACGTGCAAGCACCTGATGCACCACTTCCCTGACCTGC
 TGGGCCGCTAGTGAGCACAACCTGTTCTACTTCAAAGCAGCTGGGATGACGTGAGAGCTGCTGCCCC
 CATGTTACAGGGTTCCTGGTGTGATGCAGAGCCTGAACAAAAGACTCAGGTGGACCTGGAACAGCTC
 ATTGTAGCCCTGCAGCTCCTCCTAAAGGACCCAGTGCCTGGAGTGGGGGAAAGCTGCCGAGACTGG
 GCCCCTGGTGAAGTTTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215098 representing NM_175457
 Red=Cloning site Green=Tags(s)

MTRPYIKRLSFTLLDSITDKDPMVQEQVCSALCSLGDAQPDETLHACEEYLRQHDKLAHPYRTKILRAME
 TVLSSHIHDLKDTAGAVILLATSEMTRKELDCDWQQAAGSVLVAVGKRFTNQVMEEVLSRFQPGMLPH
 SSVLHTLANLSVSNAFDMVPFLPSILSTMLPMLSMAKQDALKVVFCEGALQHFSEILEYLANLDQAPDPT
 VRKDTFGADIFGAYDVLFFHHLQSRDAKRLRAVVAALGPMSHLLPSEERLEEQLPKLLPAVLGLYKXKHAEA
 FQISKSLGQILEAAVNVSSRTLEVQLDALLVALHAQICVPESSSPLVMNSQKEVLRCTFVLACCCSPDR
 LAFLPLRLDTSNERLRVGTQLILRHIINSAAAQMEAKQPFILSSMRLPLLDNDKVKRAVVQVISAMAHH
 GYLEQPGGEVMVEYIVQCALPAEEPEKPGPDGEDLAADSVRAVSIRTLVYSTTVDRMNSVLPYLLF
 LTPVRFTHAALTPLCRSLVHLALKRQEAGADDFLIQYNANANLPSPFAMTRLLVSSNPYLGDRGAASL
 RLLKVMHQNIHPFLGQRWETMPMLLEYLDEHTEESLSLKEWEEKLLMFLRDTLAVVSDNIWICQLSQEM
 CKQLPSYSGTPQEKNFLYKICIGTTLGAASSKEVVRKHLRELLETARYQEEAEQGLACCFGICAITHLED
 TLAQLEDVFRSDVFRKSTGIFSIKDRSEHEVERMKSLILCYGHVAAQAPRELVLARVESDILRSMFQC
 FNTKVLGKIVETKDPALKLCLVQSLCMVSQAMCSSAQASSFHFLRKTELVTQMMEFIRAEPDCLRTPIR
 KKAMLAITYLVNLEPALEEQTQADVHSHCLHSMALPPEAEGGDVGREPLYLDTVCALEDLLTRLLRQN
 MTPQGLQIMVEHLSPIKSPRGHERARALGLGACLEFFQEHLVSTLVPFHNGLLVGLFAPRCADTWT
 TTRQKAVGCVSYLLYLQGYEGFSRDHRDDVAERLLTLQDGLVNADPTILFHTCHSIAQVIKRLPSDQL
 ISLLLTVFESLGDPKNCSRAATVMINCLLKERGNVLEKVPDIVSVLRAKLRDTQEEHVLPAAQHSVYL
 LASQHCFAVSSLLGSPLPFDSHTCALWRALAVEPGLTAQVLELLEKMSKDVPFKESRAFLGSTADRV
 ATLLPLAATCALYEVLSAPSSGTVLELYPQLFAALLLRVSVCTVGVQLPRNLQAKERRSTSPARAARNLD
 PCSSAVDALQALLLRSGSQDMLRCVELERGWELKTSAGHEDGVAQLASSMAKYAGPRLPPVTKALACTQ
 NSVYEQVVTSTAFLAELLSSNVVNDLMLLEPLLDNLARLKDSSASVRRLLVLRGLANMASGSPDKVRAH
 GPQLLTAMVSGLDGDEPHSPVALEAMVGLSRLLDLVEPWDLRLVLLHTTIRIRPFDFSEKVEFRTASIR
 LFGHLNKACHGDCEDVFLQVVGGLVPLLLHLRDPQVPVASACKFALCMCVPHLECAELAAAFYKYLQEG
 RSVHFGEFLNSTCKHLMHHPDLLGRLVSTNLFYFKSSWDDVRAAAPMFTGFLVLHAEPEQKTQVDLEQL
 IVALQLLLKDPVPGVREKAAETLGRLLVKFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

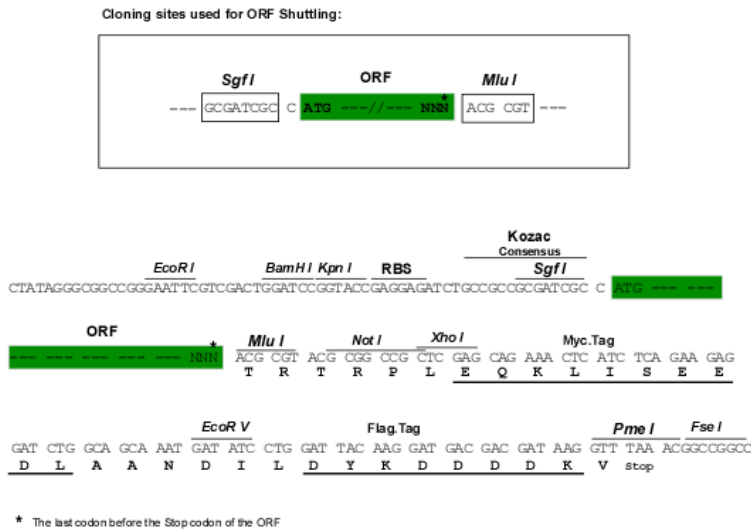
Chromatograms:

https://cdn.origene.com/chromatograms/mm9103_f10.zip

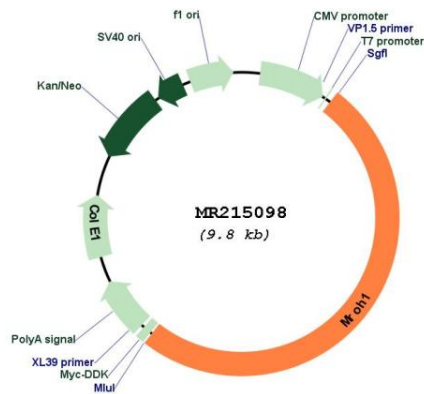
Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:	NM_175457
ORF Size:	4920 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_175457.4 , NP_780666.3
RefSeq Size:	5269 bp
RefSeq ORF:	4923 bp
Locus ID:	223658
Cytogenetics:	15 D3
MW:	181.8 kDa

Product images:


Circular map for MR215098