

Product datasheet for MR215101

Mroh1 (NM_001162489) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mroh1 (NM_001162489) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mroh1
Synonyms: D330001F17Rik; Heatr7a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR215101 representing NM_001162489
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCAGGCCCTACATAAAGAGGCTGTCCTTCACCCCTCTGGACTCCATCACTGACAAGGATCCTATGG
TCCAGGAGCAGGCTGCAGTGCCTCTGTTCCCTTGGAGACGCGCAGCCAGACGAGACACTCCATGCCTG
TGAGGAGTACCTACGGCAGCATGACAAGCTGGCTCACCCGTACCGTACGAAGATCCTGAGGGCCATGGAG
ACAGTACTAAGCAGTCATATCCATGACCTGGACAAGGACTGCCGGCGCTGTATCCTCCTGGCTACCA
GGGAGATGACAAGGACCAAGGAGCTGGACTGTGACTGGCAGCAGGCTGCAGGCAGTGTCTGGTGGCTGT
TGGCAAGCGATTACCAACCAGGTGATGGAGGAGGTGCTCAGCCGGTTCAGCCTGGGATGCTGCCCCAC
TCCTCCGTGCTGCACACTCGCCAACCTCTCAGTGTCCAACGCATTTGATATGGTTCTTTTCTGCCGT
CCATCCTGAGCACCATGCTGCCTATGCTGAGCATGGCCAAGCAGGACGCGCTGAAGGTGGTGTCTGCGG
CGCTCTCCAGCACTTCAGCGAAAGCATCTTGAATACCTGGCCAACCTGGACCAGGCCCCAGACCCCA
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CTACCCCGGTGCGCTTCACTGCGGCCCTCACCCGCTCTGCAGGAGCCTTGTGCACTTAGCCCTGAAGA



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GGCAGGAGGCTGGGGCAGATGATTTCTCATCCAGTACAACGCGAATGCAAACCTCCCGTCTCCCTTCGC
TATGACCACACGACTGCTGGTTGTGCTTCTAATCCCTACCTGGGAGATGGGCGTGGAGCGGCCTCCCTG
CGCCTCTGAAGTTATGCATCAGAATATCCACCTTTCTGGGCCAGCGGTGGGAGACAACCATGCCCA
TGCTGCTGGAGTACCTGGATGAGCACACCGAGGAAAGCCTGTCACTGAAGGAGTGGGAAGAAAAGCTTCT
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CATAGCCAGGTATCGCAAGCGCCTCCCTCAGACCAGCTCATCAGTCTTGTCTACGGTGTGTTGAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215101 representing NM_001162489

Red=Cloning site Green=Tags(s)

MTRPYIKRLSFTLLDSITDKDPMVQEQVCSALCSLGDAPDETLHACEEYLRQHDKLAHPYRTRKILRAME
TVLSSHIDLDKDTAGAVILLATSEMTRTKELDCDWQQAAGSVL VAVGKRFTNQVMEEVL SRFQPGMLPH
SSVLHTLANL SVSNAFDMVPFLPSILSTMLPML SMAKQDALKVVF CGALQHFSE SILEYLANLDQAPDPT
VRKDTFGADIFGAYDVL FHHWLQSRDAKLR LAVVAALGPM SHLLP SERLEEQLPKLLPAVLGLYKHAEA
FQISKSLGQILEAAVNVSSRTLEVQLDALLVALHAQICVPVSSSPLVMNSQKEVLRCTVLACCS PDRL
LAFLLPRLDTSNERLRVGT LQILRHIINSAAAQMEAKQPFILSSMRLPLLDTNDKVKRAVVQVISAMAHH
GYLEQPGGEVMVEYIVQCALPAEEPEKPGPDGEDLAADSVRAVSIRTL YLVSTTVDRMNSVLPYLLF
LTPVRF TAAL TPLCRSLVHLALKRQEAGADDFLIQYNANANL P SPFAMTRLLV VSSNPYLGDGRGAASL
RLLKVMHQNIHPFLGQRWETMPMLLEYLDEHTEESLSLKEWEEKLLMFLRDTLAVVSDNIWICLSQEM
CKQLPSYSGTPQEKNFLYKICIGTTLGAASSKEVVRKHLRELLETARYQEEAEQEG LACCFGICAI THLED
TLAQLEDVFRSDVFRKSTGIFSIKDRSEHEVERMKSCILCYGHVAAQAPRELVLARVESDILRSMFQC
FNTKDPALKLCLVQSLCMVSQAMCSSAQASSFHFLRKTELVTQMMEFIRAEPDCLRTPIRKKAMLACTY
LVNLEPALEEQTQADVHSLHSVMALPPEAEGDGVGREPLYLDTVCALEDLLTRLLRQNMT PQGLQIM
VEHLSPWIKSPRGHERARALGLGACLLEFFQEHLVSTLVPFHNLGLLVGLFAPRCADTWTTRQKAVGC
VYSLLYLQLGYEGFSRDHRDDVAERLLTLQDGLVNADPTILFHTCHSIAQVIAKRLPSDQLISLLLTVFE
SLGDPDKNCSRAATVMINCLLKERGNVLLKVP GDCQPWDLRLL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

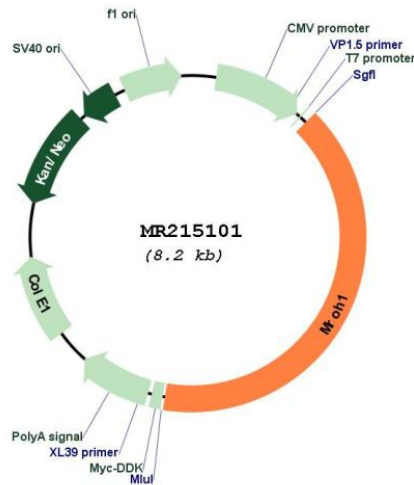
Restriction Sites:

Sgfi-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001162489

ORF Size: 3282 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:	<u>NM_001162489.1, NP_001155961.1</u>
RefSeq Size:	5111 bp
RefSeq ORF:	3285 bp
Locus ID:	223658
Cytogenetics:	15 D3
MW:	122.6 kDa