

Product datasheet for **MR224147**

Mroh4 (NM_001177437) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mroh4 (NM_001177437) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mroh4
Synonyms:	1700016M24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224147 representing NM_001177437 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGTCAATAAGATCAAGAACATGATGGTCATGGAGCAGGGCCAAGTACTAGACACCATCTGCCACT
TCCTAGAGAAGGAAAACCAGCTCTGGGAAAAGCCAGAGGTCTCATTCTGGAATCCTTCTGTTGAAAAGCT
CCTAGAGTTTCTCAACCTGGACCCAGGAAGGCTACTGATAAGGCTTTCTTCTCCACCTCTATGGCATG
ATCCTGCGTGAGTGCCCCAGCGTGGAGAAGGTGCAGTGCCACCTGGCCAGCCTCTGGATTGTCCCATC
AGCACTCCAGACAGCGGGAGGGCATTGCACTGGCTGTGGCCCTGGCCTCCACCAAGCACTTGGAGGAGGT
GTGGGCCCTGTTGGAGCACCTGGGCCGTACCAAGTTTCTGCAATCAGTTGCTGCAACAGAGGACAGCCAG
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GCCCAACTCCCTGACCAATTTCTTACGGCAGAAGATCATACTGGTCATCATAGGCCTGAGTAACCTGCGG
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TCCCTATGTCAGCCCTCAGAGAGGTGGATCCTACCTCTGTGGAAGGCTCTGGCTGCCAATTACCAAGTGG
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GTTCAAGAC

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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224147 representing NM_001177437

Red=Cloning site Green=Tags(s)

MVVKIKNMVMEQGVLDITICHFLEKENQLWEKPEVSFWNPSVEKLLLEFLNLDPRKATDKAFFHLYGM
ILRECPSEVKVQCHLASLLDLSHQSRQREGIALAVGLASTKHLEEVWALLEHLGRTKFLQSVAAEDSQ
DEILKSSFLSATILLTRSLQAEYSSQRYKFTQTPELIQCLLGILQKEPNSLTNFRQKIIILVIIGLSNLR
PRFKPLLKSIKLTCLQTVYMLPPAKDSRNDLFSVEQASDITVLYKKTVRALDLLQNFISENPSMDEV
FLLQHIEYWLMSDKIHERSRAVQSIYLLQYVVDLSKLAKAVPSLLGHQIGILILLWRDKDKITQQHSH
FCVYLLMELVFQKQKGLVESAQWSKMKHFSNVFREWEMKLYHLVKVKEDLTVAQHTQLILTLVHSLGS
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SLCQPSERWILPLWKALAANYQVARDVITLLYIKLKRPPRRLLQSTYRARLVSLMALGTIYELLYTKEY
RNTVCWAFSGILLGLLTELYYLLEVGLVQGLFDYQEDDLGSKPLGPCRICLEALKGLFWTTEYWEVFADV
KLIQGWELFGQLETFPKGVTLARAMAHYNCEIKAVLGQALISLKSSEERDNIVGICIIITEFLNSPDVSQ
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HLLHCLSAQGIGIVSLKIAQHLLSLFTDERAAVREGAIFLFGDVIHYGGKKLRQSLKDVASQATVPLLFN
MADPCQEVAMKARFTFLRCAILLKWEFRKELFGKLAWGQGLGAANDIFIYMLESNVGNVYQFLSQALTYL
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VQD

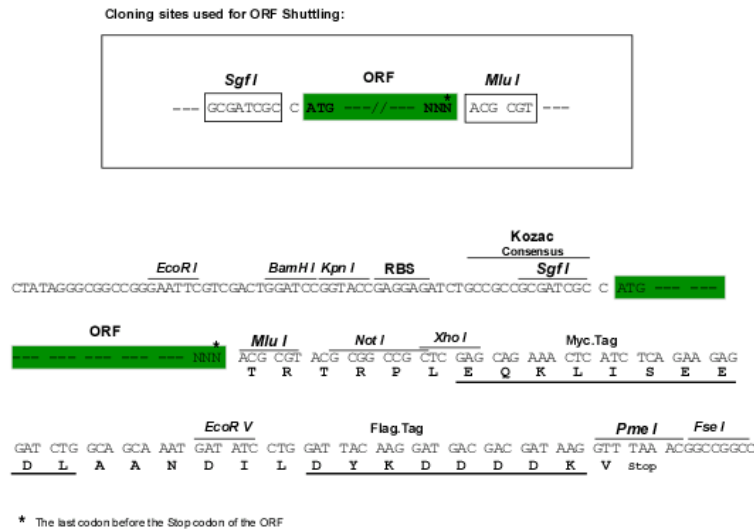
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9096_a05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001177437

ORF Size: 2949 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.

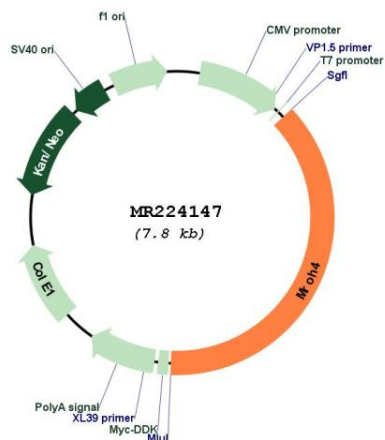
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001177437.1](#), [NP_001170908.1](#)

RefSeq Size: 3549 bp

RefSeq ORF: 2952 bp
 Locus ID: 69439
 Cytogenetics: 15 D3
 MW: 112.8 kDa

Product images:



Circular map for MR224147