

Product datasheet for **MC224823**

Mroh2a (NM_001177364) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mroh2a (NM_001177364) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mroh2a
Synonyms: ENSMUSG00000044873; Heatr7b1; OTTMUSG00000020804
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224823 representing NM_001177364
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAAGAAGCCACTGAGTTGAATGAAGACATGTTGGAGGAAGCAGAGCATCTGGCACTTCTAGAGCCAG
AGGATGATGGTACATTCTCCAAGTCACCAACCTCCTGAACATCATGGACAGTGAATCAGCAAAGACAGA
CACCACAGGGCCAGGCCCTGGACATGCGGAAGACCTTGGCTTCAGTGATAATCACAGAGAAGGCTACCACG
GATCCCTGTGTAGTGATGAACGCCTCATCCGCTGCCTGCAGATGCCAGAGATTTCTACCAACGCAAAA
TGAACATCTACAACATCATGCAGGAGATCATCCAGCAGGAAGGGGAGATGGAGGAGCACTGTATACAAAAG
GCTGGTGGCCATTGCCTCCAAGCAGATGCGGGATATCACAGAGGCGGAGGATTTTGGACCCCGAGGTG
GCCAGTGAGACTTAGTGGCTCTGTCCCGAAACCACTTCAGCTTGGTCATGTATGAACTGCAGCATCATC
TCAAGCCTCTCAACCTCACTGACGAGTTTGTATTGTACCCTGGCCAAGCTGGCCAATGGCAATGTGTT
TGAATTCATGCCCTACATGGGCATCACCTGGCTACCATATTCACGATGTTGAGACTTGCCAACGAAGCC
AAGATGCGCCAGGTGATCTGTAGTGCCATGGAGACGTTCTGTGAGACGGTGCAGTTTTACCTGAGGCACC
TGGAGGACAGCCTGTATCCCGTATGACGGAGGACCAGTTTGTGTGAAGCTCTTCCCAATGTACCGATA
CTTCGTGACCGTGTGGCTGCGCCACCAGGACCTTGAGGTGAAACTGGGAGTCATCAAGTCTCTCAGGCC
ATGCTGAGCCTTCTCCTGCCTAATGACGACCTGAGGGAACAGGTGTATGACTATATCCCCCTGCTGCTGG
CTGAGTTCAGGGTACCGGGCATTGGCCTTTATCCCATCCCTTCTGCAGGTCTTGAGGCAGATTCTAGA
AGCATCGGTTACCACCAACACCCCTATCCCCCGATGCTGCTACACCCCAATTTTACAGAGTTGCACGTC
CAGGTGTGCTCCAAGGCCCCAGCCAGCAGCAGTTCAGCAGTCAGAACCTGATGGAGATCGTGCAGTCTGCT
TCATAGCCCTGGCCGCTCCTACCCCAAGGAAGTGAAGTTCTTCTCAGCCAGGTGGAGATGAGCAA
AGAGGCTGTCCGTGTGGGACACTGGCCCTGATCAGGGCAGTAGTGAGCGCAGATGACCCCAAAATTAAT
ATCAAGACCATCTACCTGGCCATCCGCGTCGTCGAAGAAGTCTCTCTGACACTCGGTCCAAGGTACGGA
TGGCAATTCTGCGAATCATTGGCCAGCTGGTTCTGTGAGGCTCCAGGAAAAGATCAAAGGCTGGGGTCT
GAAATATGTGTCTGTCCAGCTCACCTTATCTACCTACAAGCTGACAAATCGACGGGAATGCTTTTATCAG
AGGGATTTGGAAGAGAAGATGGTTCACAAAGTAACCATGGATACTGTAAGATCATAACTTCTTCTATCA



GCGGCATGACCAATGAGTTCCTGGGTGAGGCTCCTGTGCTACATCATGGAGACAGACTACACCGAGGCACT
 GACCCCATCTGCATCAGCCTCACGAACCTGGCCGAGAACCAAATTCATGGCAAAGACACGGAGGCTGGA
 ATAGCTGGAAAGAGCAAGCATGTGGACTTGCTGCACCCAGAAAGCTGCTGGCCCGTCTCCTGGTGTGA
 TGTATCACCCTATAAAGGAGAAGGCCGGGGGATTGCCATGCTCAACCTCCTGCGGACCCTAAGCCAGAG
 CATTGCTCCTCCATGGCTGACATGTGGGAGCAGGAGATCCCTCTGCTAGTCCAGTACCTGGAAGAGCAC
 ACTGAGTTTACCTGGAACCAGAAGACCTGGGAAGATATGCTGATTCAGTTTCTGAGAACTCCCTCAAGA
 AGACCCGTGGACCAGCTGGAGCCTACGGCTCAGCAAAGAGCTGAACAACCAGATCGAGACCTTCGACAG
 CCCTCCTTGAAAAGGGTTTTCTGTACAGGGCCCTGGGTTTACCTTAGGCATGGGTCTGGAGGCCGAC
 AGGGTGGAAAGTGCTATTATTGGAGCTGCTGTACAAGACAGACTACAGCAATGATTTTGACCGGGAGGGCG
 TCATCCTGTGCTTTGGACTGTGTGCCGGGGCCAGGTAAGACAGTGTGAATGTGCTTCAGGACTTTGA
 GGAGAGGATCCAGGAGTCGGAACAGTCTGGCAGATCGGTGCCTGGAGGAAAGACCACCCCTGGAGGCGA
 GAGACGGTGAAGAGTGCCCTAATGGTGTGTACAGCTGTGTGCTCTTACTGCCACCCAGATGCTCC
 TACCCACGTGGACAGCCCATCACCTAAGATCATCCACCCTACTCCAGCAGCTGCCAGGACATCAG
 CCTCAAATGGCCTTCATGAAGAGTGTGTGCAGGTACCAACGCCATCAAAGCATCAAAGACCCAGAG
 GACTTCCAGTTTCCCCACAAATCTGCTTACTGGCCTCATAGTTGTGATCATCAAAGCAGAACCACCTG
 ACCACTGGTTTTCTCCCGTGAGTGCATGGCAATGGATGCTCTCTCAAACTAAGCAGATGAAGCCTTT
 CTACTCTCCAGAGAAAGCACAGAGTTGATGGATATCAGCATACACACCGTTATCTCCCTCCAACCCCA
 GGGGAAGACAATGAGTCTGTTAAGACCCTGTATGCAAATACCATGAGTTCCTAAAGCAGCTGATGGAGG
 GCCTCCTGCAGAGACAGCTGGACCCCAAGGGGCTGCAGGACACTGTGCATCTCCTGGAGAAGTGGATCTT
 GTCAGAGAAAGAGTGGAAACGGGAGAAAGCCATGGCCCTCATCTCCATCTCATGCAGATCTACGTTCAA
 AGTATTGGTGTCTGTATCCCGCTGAAGCTGGGGCAGTTTGGAGTACTGGTGGACTATCGCTCCATGTA
 CCTGTGATGCCACAGAAAGAACCCGCTTGGCCTCGATTAACGTCCTGTCCAGTCTGCTAGATCTTCATGT
 AAGCCAGACGTCTTTATGGGGAACCTCCAAGGAGCAGGAGCTGCAGAAATGTAAGGAGGACCTCCAG
 GACACCGACATGAACAAGATTTCCAGTGTCTCCTCCAGAGTCGCCAAGGTGGTTTTGCCAGATTTAACT
 GCGACGAGGTTGTCTCTCATCCAGAAGCTCTGTGAGAACATTGGGGCCATGGACCTGCAGCATGACAG
 GGCTGCTGTACCTGGATAGGCATCTCCTCCAGATGCGGGTCAAGGAGCTGGAGGACAAGTGGCTGAG
 AACTGGGTGCCATCTGGTTCACCTGCCAGTGGTGGATCACCCAGAGGTGAGGGCAGATCTCATTGAAG
 GCATCCTCCTGCTGGCACACTACCACAGGAGACCGTCTCACATCACTTCTGAGACAGCCACTGCCAT
 GGAAAGCCATCTGACAGAGGTGTGGCTGGCCGTGGCTGAGAATGTCCCTTCGCACGGACCATGCTCCAT
 GGCTTGTGGCCGGCTGCAGTCGAGGTTCACTGCCAAGATAAATGCCACCTCCAAGGCTGACATCTGGC
 GCCTGGCCGCTGTGGACCCTCTGATGACGCTGTGTACCATCCAGCTCCTCATGGAAAAGATGGACCAGGA
 TGACAAATTTCCAGACCTGTTTCTGACCTGCTGTATACCTTCTGCTGCAGCTTGGCAGAGCCATGGG
 CCAGAAGCTGCCTCCCTGTCCTGAAAACCTGGAGACTGGTTCACACAGGGCCACTGCCCCAGGAGATGA
 CCCTGCAGAGGTGCTCAAGGTCCAGGATCACTATCAAATCCATGCAGCTTTTGGTCAAGAGGATCAACAG
 AGAGCCCTGGAGCAGGCTTGGAGGAGCAGTCTGTGTGGTCCCTGCTGGAGAACGGAGGCACCTTCCTT
 GAGGGAGTGAGCCTGATGGCCAGGCTGTGCATGCAGAACATGGAGAACTACATGCAGAGGCTGGCAGAGC
 TGGTGTCTACGGGCATGGGCTCCGAGATCCTGAGCTGTGCATCAGCAGCACGGCCATCTGTGTAGAATT
 CATGAGCGACCCAGTTCTGCACCAGGAGAAGCTGCTGAGGCCGGTGGTGTGATGCTGGAGAAGGGTGCA
 GGGCAGGACAAAGATGAGACCTTGCAGGTGCTCTCTGCGTGCCTTGGGCAACATGGCTCTCGGTGCTC
 CCCGGAAGGTGAAGCAGTATCGAAAACCTGCTGGAGAAGTGCCTGGGCTCCCTGCAGGGCAGGTGAG
 CAGCAGTGCCATGGCGGAAGGCATGGAGGCCCTACCAAGGTCTGGCTGAGCTCCGAGAGGGCGATATA
 GGGTCTTCTTTTGAAGCCATCTCTAAGCAGTGCAGAGCTTTCTTTCGACAACGAAAGCAGCTGCTACGGT
 TGAAGGCCTTTGTCTCTTTGGGAAGCTTACAAAAGTGGTTGGGATTTCCAAGAAGCATTCTTCAAAGG
 GGAGGTGAAGAGAGGCTGGGTCTCCCTCCTGCTGCACTGCCAGGACCCCTGCCACGCTGGCCAGGCA
 TGTGTGGCCACCATGTTTCAGTGTGTGATTTCTGGGGCTGGAAGTCCCTGGAGAGTTCTTTGGTCA
 GTAACGACAGCATCAATGAACAGATGACAGTTTTTTCAGACAAACATGTGCTCCGCTCTGGCCAGAAAA
 GCCTGCTGTTCTGTGGCTTCTGTTGAAAACAACAGTCTTCATGAAAAACAATCTGTCAAGGATCAGA
 ATTGCTGCTGCAACTTGGCGGGAATTATTATGAAGCAGCTGTCTGCCATTATCTGAAAAAGATGGACC
 TTGTGGGACTTCGCAATCTCTCCAGGACCTGCAGCTAGACTCAGACGCTGGGGTCAAGGAGGCAGCCTT
 GGAGACCCCTAAAGTCTGGACAGCTGCAATCAGCACTGGCTCTTAGCGTCACCCAGAGGACTGCCGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001177364

Insert Size:

5040 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.

RefSeq:[NM_001177364.1](#), [NP_001170835.1](#)**RefSeq Size:**

7526 bp

RefSeq ORF:

5040 bp

Locus ID:

100040766

Cytogenetics:

1