

## Product datasheet for **MC223522**

### Mroh1 (NM\_001162489) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mroh1 (NM\_001162489) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mroh1  
**Synonyms:** D330001F17Rik; Heatr7a  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223522 representing NM\_001162489  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACCAGGCCCTACATAAAGAGGCTGTCCTTCACCTCCTGGACTCCATCACTGACAAGGATCCTATGG  
 TCCAGGAGCAGGTCTGCAGTGCCTCTGTTCCCTTGGAGACGCGCAGCCAGACGAGACACTCCATGCCTG  
 TGAGGAGTACCTACGGCAGCATGACAAGCTGGCTCACCCGTACCGTACGAAGATCCTGAGGGCCATGGAG  
 ACAGTACTAAGCAGTCATATCCATGACCTGGACAAGGACTGCCGGCGCTGTATCCTCCTGGCTACCA  
 GCGAGATGACAAGGACCAAGGAGCTGGACTGTGACTGGCAGCAGGCTGCAGGCAGTGTCTGGTGGCTGT  
 TGGCAAGCGATTACCAACCAGGTGATGGAGGAGGTGCTCAGCCGGTTCAGCCTGGGATGCTGCCCCAC  
 TCCTCCGTGCTGCACACTCGCCAACCTCAGTGTCCAACGCATTTGATATGGTTCTTTTCTGCCGT  
 CCATCCTGAGCACCATGCTGCCTATGCTGAGCATGGCCAAGCAGGACGCGCTGAAGGTGGTGTCTGCGG  
 CGCTCTCCAGCACTTCAGCGAAAGCATCTTGAATACTGGCCAACCTGGACCAGGCCCCAGACCCACACA  
 GTGAGGAAGGACACCTTTGGGGCTGACATCTTTGGCGCCTATGATGTTCTCTCCACCACCTGGCTGCAGA  
 GCCGAGATGCCAAGCTCCGGCTTGCCGTGGTGGCGGCTCTGGTCCCATGAGCCACCTGCTTCCCAGTGA  
 GAGGCTGGAAGAAGCAGTCCCTAAGCTCCTCCCTGCAGTCTCGCCTCTACAAGAAGCATGCGGAGGCC  
 TTTGAGATATCGAAGAGCCTGGGCCAGATTCTCGAGGCAGCTGTGAACGTGAGCAGCCGTACCCTGGAGG  
 TTCAGCTTGATGCCCTCCTGGTGGCTCTTCATGCTCAGATTTGTGTGCCTGTGGAGTCTCGAGCCCCCT  
 GGTGATGAACAGCCAGAAGGAGGTGCTTCGCTGCTTACAGTGTGGCCTGCTGCTCCTGACCGTCTG  
 CTGGCCTTCTTACTGCCAGGCTGGACACCAGCAACGAGAGGCTCCGCGTGGGTACCCTGCAGATCCTGA  
 GACACATCATCAACTCGGCTGCCGCTCAGATGGAGGCTAAGCAGCCCTTATCCTCCTCCATGAGGCT  
 GCCTCTTCTGGACACCAACGATAAGGTGAAACGGGCTGTGGTGCAGGTGATCAGTGCCATGGCCACCAC  
 GGCTACTTGGAGCAGCCTGGAGGAGAGGTGATGGTTGAGTATATTGTGCAGCAGTGCGCCCTGCCGCCG  
 AGGAGCCTGAGAAGCCTGGCCCTGATGGGGAGGACCTGGCGGCAGATAGCGTGCGGGCTGTGAGTATCCG  
 CACCCTTACCTGGTCAGCACCACAGTGGATAGGATGAACAGTGTCTCTGGCCCTACCTCCTCGAGTTC  
 CTCACCCCGGTGCGCTTCACTGCGGCCCTCACCCGCTCTGCAGGAGCCTTGTGCACTTAGCCCTGAAGA



```

GGCAGGAGGCTGGGGCAGATGATTTCTCATCCAGTACAACGCGAATGCAAACCTCCCGTCTCCCTTCGC
TATGACCACACGACTGCTGGTTGTGCTTCTAATCCCTACCTGGGAGATGGGCGTGGAGCGGCCTCCCTG
CGCCTCTGAAGTTATGCATCAGAATATCCACCCCTTCTGGGCCAGCGGTGGGAGACAACCATGCCCA
TGCTGTGGAGTACCTGGATGAGCACACCGAGGAAAGCCTGTCACTGAAGGAGTGGGAAGAAAAGCTTCT
AATGTTCTGCGAGACACCCTGGCCGTAGTATCTGACAACATCTGGATCTGCCAGCTGAGCCAAGAGATG
TGCAAGCAACTGCCCTTTACAGTGGGACTCCTCAGGAGAAGAAGCTTCTGTATAAGTGCATTGGAACCA
CGCTGGGTGCTGCTTCAAGTAAGGAGTGGTGAGGAAACACCTCCGAGAGCTGCTGGAGACAGCCAGATA
TCAAGAGGAGGCAGAGCAGGAGGGCCTGGCCTGTTGCTTTGGGATCTGTGCCATTACCCACCTTGAGGAC
ACTCTAGCACAGCTGGAGGACTTTGTGAGGTGACAGCTGTTTAGGAAGTCCACCGGCATCTTTAGCATT
TTAAGGATCGAAGCGAGCACGAAGTGGAAAGAATGAAGAGCTGTCTGATCCTGTGCTACGGGCACGTGGC
TGCCCAGGCCCTCGGGAGCTGGTGTGCCAGGGTAGAGTCTGATATCCTGCGCAGCATGTTCCAGTGC
TTCAACACCAAGGACCCGGCCCTGAAGCTCTGCCTCGTCCAGAGCCTGTGCATGGTCAGCCAGGCCATGT
GCAGCAGCGCACAAAGCCAGCTCCTTCCACTTCTTGAGGAAAACAGAGCTGGTGACACAGATGATGGAATT
CATCAGGGCAGAACCCCAAGCTGCCTGAGAACACCCATTGGAAGAAAGCCATGTTGGCCTGCACATAC
CTGGTCAACTTGGAGCCCGCTGGAGGAGCAGACACAGGCAGATGTGGTCCACAGCTGCCTACACAGT
TCATGGCCCTGCCACCTGAGGCTGAGGGGGAGATGGCGTTGGCCGGGAGCCTCTGTATCTGGACACGGT
GTGTGCCCTTGAAGACTTGTTAAACAAGACTGCTGCGGCAGAACATGACCCCCAAGGCCTGCAGATCATG
GTAGAGACCTGAGCCCGTGGATCAAGTCCCCGAGGGGTGATGAGCGGGCAGCAGCACTTGGCTTGGGCG
CCTGCCTGCTGGAGTCTTCCAGGAGCACTTGTGTCAGCACATTGGTACCCTTCCACAACCTGGGTCT
CCTGGTCGGTCTCTTGTCCACGGTGTGCGGACACATGGACTACCACCCGCCAGAAAGCCGTGGGTGT
GTCTATTCCTGCTCTACTTGCAGCTGGGCTATGAGGGCTTCTCCCGAGACCATCGTGATGATGTGGCCG
AGCGGCTCCTCACCTGCAGGATGGCCTTGTGAACGCTGATCCCACCATCCTTTCCACACTTGCACAG
CATAGCCAGGTCATCGCAAGCGCTCCCTCAGACCAGCTCATCAGTCTCTTGTCTCACGGTGTGGAG
AGCCTGGGAGACCCAGACAAGAAGTCTGCGCGCAGCCACAGTCATGATCAACTGCCTGCTGAAGGAGC
GGGCAATGTGCTGCTGAAAAGTCCCAGGAGATTGCCAGCCATGGGACTTGGGCTCTTAG

```

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001162489

**Insert Size:**

3285 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\\_001162489.1](#), [NP\\_001155961.1](#)

RefSeq Size: 5111 bp  
RefSeq ORF: 3285 bp  
Locus ID: 223658  
Cytogenetics: 15 D3