

Product datasheet for MC224718

Mroh2b (NM_001166066) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mroh2b (NM_001166066) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mroh2b
Synonyms:	4930455B06Rik; Heatr7b2; SPIF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224718 representing NM_001166066 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAAGAATACGGAGATATGTTTGGAGATATTAACCTCACAATTGGGATGCTGAGTAAGGAGGACAACA
TTAGCAAGGAAGACATTTATTGTCATCTCACTTCTTTTATTCAGAATACTGACATCATGGATGATGCAAT
AGTCCAAAGGTTGATTTATTACACTTCTAAGGACATGAGGGATGAGGAAATCCAGAGAACTCAGAATG
CTGGCTGGTGGAGTGTGGTATCTTGTGCTGCTCATGATTTCAACTCCGTGATGTATGAAGTGCAAAGTA
ACTTTAGGATTCTAGAGCTGCCAAATGAATTTGTTGTGCTTGCCCTGGCTGAACTGGCAACCAGCTATGT
GTCTCAGAGCATACCCCTTCATGATGATGACCCTGCTCACCATGCAGACCATGCTCAGGCTGGTAGAGGAT
GAAAATATGAGGCAAACCTTCTGTATAGCCCTTAAAAATTCAGCAAGTCCATTTACAAGTATGTCAACC
ACTGGAAGGATTTCCATATCCCAAATAGATGCTAACCGGCTCTCTGACAAGATCTTCATGCTGTTCCG
GTATATAATGGAGAAATGGGCCCCGAGGCCTCACCCATGCATGCTTTGGCCATAATTAAGGCCCATGGC
CCCACCGTGAGCCTGCTGCTGCATCGGGAAGACTTTTGTGAATTCGCGCTGAGCCAAATATCCTGGCTCC
TCCTCCAATACCGAGACAAGGAGAATGATTTCTACATCACACAGAGTCTGAAACAGATCCCTCACTGCCGC
AGTCCTCTATGACATTGCCCTTCCCAAGAACCTGAGAAGATCAGTCCTCAGCAGTTTGTGCACCAGATC
TGCAAAGTTCAGAACCCCAATAAAGGAGAACAACCTTGAAGCTTCAAGCTGTTTCTCATTCTAGCTC
ACGCCAACCTGTAGACCTGCTGGATTTTTTGTGATGAACAAATAAGAAGTACCAATGAGGCTGTTGCAAC
AGGAATCTTAACCTCTGTTAAGATCAACTATCAATGCTGAGGAGCCCAAGTTTAGGAATCATACAACTTCA
ATTGAAAAGACAGTCAAACCTGTGATGGGTGACCTCAGTGTCAAAGTAAGGAAGTCCACCCTTCTTCTCA
TCCAAACCATGTGTAAAAAGGATACATCGAAGCTCGGGAAGGATGGCCCTTGATCGATTATATCTTCTC
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AGGTGCTGTGGCCTCGAATCCTGACTTACGTGGTACCCAAGGAATACACAGGAACACTGGACTACCTGTT
TAACATCATCCGAATTCTAATCATGGCAGAAGAGAAGAAGCGTGATATCCAGGAGTCAACAGCACTT
GTCGTCTCTACAGGAGCTGTGAACTTCCTTACCCAGCAGCTGCTGGCAGCACTACTGTAATATCTA



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TCCTGGCCAGTTTAGGGCAGTTGTGTGGGGCCGGTGCAATAGGTCTTCTGAAGATTATGCCTGAGATAAT
 CCATCCTAAACTGGCAGAGATGTGGAAAACACGCATGCCTGCACTTCTGCAGCCTCTGGAAGGAAGTAAT
 GCCAGCATCGTGCTGTGGGAAACCATGCTGTTACAGTTGCTCAAGGAATCTTTATGGAAAATCAGTGACG
 TGGCCTGGACCAGCCAATGAGTCGGGACTTTAGCCTACAAAATGGGCAGTTACTCCAACAGCTCAATGGA
 GAAGAAGTTTCTTTGGAAAGCCTTGGGGACTACCTTAGCATCTGCCAAGACAAAAGACTTTGTGAGCTCA
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 GTCCTAACGAAAGACGTTGAGGCACCACAGAACTTCAAGATCGGGTCACTCCTTGGACTCCTGGCTCCGC
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 AGGCATTTGCCAGGAGGTGGACAGACTACAAGGCTTGCAGGAAGGATTGGACTCTGAGGATGAACAGGTC
 CAGATCAAGATATCCTCCAAAATAGCTAAGATTGTCTGCAAAATTCATCCCAGTGAAGAAATTCAGGTG
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 GATTGCTGCCCTGAAGGAGCATGGTGTCTTGTGGAAGATCAGCTCCTGGAGATCTGACACCATTTAC
 CATCACATGCCTGTCTCAGACAGAAGGAGGAAAGTTTTCCAGTTTATGCTGGAAGCTATCTCCAGATCG
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 GACATTGTGGAAGGCACTGGCTGAAAACCCAGCCTCCAGTGGCAAACCTATGAGAGCCCTGATCAAGAAA
 CTGGTAGCCCGTTAGAGGATGATATAGCTGGGACGGAAGCAATCTCAGTGGCCTGTGCTATCTACGAAG
 TGATCTTAACAGGGGCTCATATCACTCATTTGTATCCAGAGCTGTTACCCTCCTCTGAAGCTGGTCAG
 CTGCTCCTTGGGCCAAAAAATGCCAATGTCTACCCTTAGTCAAAGGCGCCGTGTGATGCAACTTGGAGAA
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 GAGAAGGCCTTGGAAAGAAATCTGATGAAGGCGACAACCTGTGGACCCTCCTTAGCAATCCTGACACCCA
 TCACATCGGCGTGTGTGCACTAGCCAGGAGCATGGCAGTCTGGCAACATGGCGTCATACTGGATATCATG
 GAACACCTACTCTCGTCTCTCACCTCCTCTGAGAACTACCGGATAACAGGCATGGCATTCTTCTCTG
 AGCTTATGAAGGAGCCAATCCTTTGGAAGCACGGAAATCTTCGAGATGACTGATTTTATGGATCAGAA
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 CCTCACAAGGTGAGGAAGTATAAGCAGATGATGTTAGAATGTATCATCAGAGGCTGTACCACCTGGCTC
 GCACGGAAGTTGTGTGAAAGCTTGAAGCTCTCAAAAAATCCTGGAGCTACTTACAGAAAGAGACAT
 CAACTTCTACTTCAAGGAGATAGTGTCCAAACAAGAACCTTCTTTGAAGATGAGCAAGATGATGTGAGA
 CTGACAGCCATCCTTATTTGAGGATTTAGCCACCCTAACGGGAAGAAGGTGGAAGATATTTTTGCTG
 AGGAAGTGAAAAAGAGCATGATCTCATTCTCCTCCACCTCTGGGACCCAAACCCCAAGATTGGAGCTGC
 ATGCCGTGATGCTTGGTTCATCTGTATCCCTTCTGGGCTTACAGGAGCTCTATGGGCTATTAGACCAC
 CTCCTTGAACGGGACCTGCCACGGGCCAGGACTTCTACAGGCAACTCTGCATGAAACTATCCAAGAAGA
 ACCAGGAAATTTGTGGATTCTCCACACGCATTACCTTCTTACCAGCAGCTGGGAGATGATCAG
 GAGCGCAGCCGTGAAGCTCACAGATGCCATTATTCTTCTGACCAAACGATATGTGGAGTTGTTAGAC
 AGAGAACAGCTCACCATGCGACTCCAGGCTCTTCGGCAGGACCCCTGTATCAGTGTCCAGAGAGCTGCTG
 AAGCTACCTTACAGACCCTCTGAGAAGGTGTAAGAGATCAGCATCCCCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001166066

Insert Size:	4746 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:	<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_001166066.1</u> , <u>NP_001159538.1</u>
RefSeq Size:	5232 bp
RefSeq ORF:	4746 bp
Locus ID:	223825
UniProt ID:	<u>Q7M6Y6</u>
Cytogenetics:	15 A1
Gene Summary:	May play a role in the process of sperm capacitation (PubMed:27105888).[UniProtKB/Swiss-Prot Function]