

Product datasheet for RN217479

Msh3 (NM_001191957) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Msh3 (NM_001191957) Rat Untagged Clone
Tag: Tag Free
Symbol: Msh3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217479 representing NM_001191957
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCCCGAGGAAATCCGCGTCGGGAGGCTCTAATGCCCGCCGCCAGACCCGGGGAGGCAAGTGGTTC
 TGAGCCGGTTCTCAAGCTCGCGGAAGCCTAAGATCCAGCGTGTCCCCACAGAACCAGCAGAGAAGT
 GACAGAAGGTGACAGCAGGAAGAGTCACTGGGAATGGTGAGCCCACTACAAGAAAGCAAAGAAAGTT
 CCAGAGGAGGAAGGAGAAAATACCTCAGTAGCATCTACAATCCTGAGCCAAAGAAATGTCTGAGGCCCA
 GGATTGTTTTCAAAGTCCCTGAAAAGTTGAAAAGATTCTGCTGTGATTCTGCCCTCCCTCAAACAGAGT
 CCAGACAGAAGCCCTTTGGGAGAGACTTGCAGTTCTGCCAAAGTGTACTGATTTGGAAGATCACTCTG
 CAACGTGCAAAGAATGCGGTTTTGTCCGAAGATCCAAGTCTCAGGCTAATCAGAAAGACACTCAATTTG
 GACCTTCCCTGAAGCTTCCAGAAGACTTCCACTTGTAACCTTTAACAGGCGGTCCAAGAGCATCTA
 TACTCCACTAGAAGTGCAGTACCTTGATGTGAAGCAGCTGCATAAAGACGCGTTTTGTGTGGAAATG
 GGTACAAGTACAGTTCTTTGGGAAGATGCAGAAATGCTGCCGGGAACCAATATTTATTGCCACT
 TGGACCACAATTTATGACGGCGAGCATACCCACCCACAGACTGTTCTGTCATGTCCGCCGACTGGTGGC
 CAAAGGATACAAGTGGGAGTTGTGAAGCAAAGTAAAGTGCAGGATTAAGGCCATTGGAGACAATAAA
 AGTTCTGTCTTTCCCGAAATTGACTGCTCTTATACGAAATCCACACTGATTGGAGAAGATGTGAATC
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 CATCCGTAGACCACCGCTGTCAGTGTGGGATGACAGAATTCGAGTAGAAAGGATGAATAATACTCAC
 TTTGAATACAGCCATGCTTCCAGACAGTTATGGAGTTCTATGCCAGAGAGACAGTTGACACCCAGGGCT
 CTCAGAGCCTGTCTGGTGTCAATCACTTGAGAAAGCCTGTGATCTGCGCCCTGGCTGCCATAATACGGTA
 CCTCAAGGAATTTAACTTGGACAAGGTGCTGTCCAAACCCGAGAATTTTAAACAGCTGTCAAGTGAATG
 GAATTCATGAGAAATCAATGGAACAACGCTAAGGAATCTGGAAATCCTACAGAATCAGACTGATATGAAGA
 CCAGAGGAAGTTTGTCTTTGGTTTTAGACCACACTAAAACCTCATTTGGGAGAAGGAAGTAAAAAATG
 GGTACCCAACCATTTGCTTAAATTAAGGGACATAAATGCCCGACTTGATGCAATATCCGATGTTCTCCAC



TCAGAATCCAGTGTGTTTGAACAGATAGAAAACCTTCTACGGAACTACCGGATGTCGAGAGAGGACTGT
GTAGCATTTATCACAGAAGTGCTCTACTCAGGAGTTCTTCTTGATCGTCAAAAACCTGTGTCAACTCAA
ATCAGAGCTTCAAGCGTTAATGCCTGCTGTTAATCCCACGTACAGTCAGACTTGCTCCGAGCACGCGTC
TTAGAAGTGCCTGAGCTCCTCAGTCCAGTGGAGCCTTATTTAAAGTTCTGAATGAACAAGCTGCCAAAG
CTGGCGATAAACTGAATTATTTCAAAGACCTCTCTGACTCCCTTTAATAAAAAAGAGGAAAAATGAAAT
TCAAGAAGTCATTCACAGCATCCAAATGCATTTACAAGAATTGCGAAAAATATTTAACTTCCTTCTTTA
CAATATGTGACTGTATCAGGACAAGAGTTTATGGTTGAAATAAAGAAGTCAAGTGTGTCTTGCGTCCCGA
CTGACTGGGTGAAGGTTGGAAGCACAAAAGCTGTGAGCCGTTTACTCTCCTTTTGTGCGTGGAAAACTA
CAGACGCTGAATCAACTCCGGGAGCAGCTAGTCTTGACTGCAATGCTGAATGGCTTGACTTTCTAGAG
AATTTTGGTGAACATTACCACACTTTGTGTAAGGCCGTGGATCACCTAGCAACTGTGGACTGCATTTTCT
CCCTGGCCAAGGTCGCCAAGCAAGGAAGTTACTGCAGGCCAACTCTACAAGAAGAAAAGAAAATCATCAT
AAAAATGGAAGGCACCCTATGATTGATGTGTTGCTGGGTGAACAAGATCAGTTTGTGCCAACAGTACA
AATTTATCACAGGACTCTGAGAGATAATGATAATCACCGGACCAACATGGGTGGCAAGAGCTCCTACA
TAAACAGGTTGCTCTGGTTGTGATCATGGCTCAGATCGGCTCCTACGTTCTGCAGAGGAAGCCACAAT
TGGGATTGTGGACGGCATTTCACAAGGAGGGGTGCTGCAGACAATATACAAAAGCCGGAGTACTTTC
ATGGAAGAGCTGACAGACACGGCGGAGATAATCCAGAAAGCAACACAGCGGTCCCTGGTTATCCTGGACG
AGCTGGGAAGAGGGACCAGCACCCACGACGGAATCGCCATTGCCTATGCGACTCTAGAGTATTTTATCAG
AGACGTGAAATCCTTAACCCTGTTGCTACCCACTATCCACCAGTCTGTGAACTAGAGAAAAGTTACCCA
GAGCAGGTGGGAATTACCACATGGGCTTCTTGGTCAATGAGGACGGAAGCAAGCAGGACTCAGGTGACA
TGGAGCAGATGCCGACTCTGTCACTTCTCTATCAGATAACCAGAGGAATTGCAGCGAGGAGTTACGG
ACTGAATGTGGCAAGCTAGCAGATGTGCCAGAGAACTTTACAGAAAGCTGCTCACAAGTCTAAAGAG
CTGGAAGGCTTAGTCAATCTGAGAAGGAAAAGACTTGAATATTTTATAGATCTGTGGACGACACATAGTG
TAAAGGACCTGCACACGGGCAGCTGAGCTGGAATACAGGAAATACAGACGCTCCCCACAATGAAAT
GAAAACACACTTTTGGAGCTGAAGTAG

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
TTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-NotI
- ACCN:** NM_001191957
- Insert Size:** 3318 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001191957.1, NP_001178886.1
RefSeq Size: 3780 bp
RefSeq ORF: 3318 bp
Locus ID: 499505
Cytogenetics: 2q12