

Product datasheet for **RN215207**

Msh4 (NM_001106477) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Msh4 (NM_001106477) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Msh4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215207 representing NM_001106477
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGAGGCAGGAGGCTACTTCGCTCTCGAGTCCCCACGGTGGACGCCATCCCGAGGGAGTCCCCC
 GCCGGAGGACGCCGGCCTCCGCGTCCAGGCCGAGCACAGAAGGTGCCGTGGCCGACAGGAGCAGCAGCAG
 CAGCAGCAGCAGCCCGCGCCGCGGCCCTCCAGGTTTCATCATTGGAAACAAAAGATCTTACACTACA
 CACAAAGCTGCATCCAATTTCTGTTGGTACGAGCTCGTCTTCTGCACAAGATACCACGTATCCACATA
 CGTTTAGAACTCCGTTATCTGCTGGAAATCCCCAGAGATCATATAAAGGTTGGACACCACAAGTAGGACT
 TTCAGCCACATCCTCCGCGGTGTCTGCACATGCCCGTCAGTCATTGTAGCAGTGGTGAAGGAAGAGGG
 CTGGCTAGAGGCGAGATAGGAATGGCAAGCATCGATTTAAAAAGCCACAGATTATGTTGCACAGTTTG
 CAGACAACACAACATATGCAAAGGTGATCACTAACTCCAAGTTTATCACCTTTAGAAAATAATAATGTC
 AAATACTGCTTGTGTTGGGAAATTAACCAAGTTATTTACTCTGATCACAGAAAATTTAAGAAGCTT
 AATTTCACTACAGTCCAAGGAAATACTTCAACGAAACAAAGGGCTTAGAGTACATTGAACAGTTGTGCA
 TAGCTGAGTTCAGCTCTGTCTAATGGAGTTCAGTCCAGGTATTACTGCCTTGACGCTGCCGACGCTT
 ATTAATAATGTTGAATTTATTCAAAATTCAGTGTATGCACCCAAATCGTAAAGATTTATTTCCAAGGT
 AGTGAGCAGACAGCCATGATAGATTCATCATCAGCCAAAACCTGGAGCTGTTAGTTAATAACCAGGACT
 ACAGGAGTAATCACACTCTCTTTGGTGTTTAAATTACACCAAGACTGCAGGAGGGAGCAGAAGGCTGCC
 CTCCAACATCCTGGAGCCGCTGGTTGATGTGGAACAATCAGCATGAGGCTGGACTGTGTCCAGGAGCTG
 CTTCAGGACGAGGAGCTCTTCTATGGACTCCAGTCAGTCATATCAAGATTCCTGGACACAGACGAGCTGC
 TTTCTGTTTGGTTCAGATTCAAAGCAAGACACGGTTAATGCAGCTGAATCAAAGATAACAAACTTGAT
 TTATCTGAAGCACACATTGGAACCTGTGGATCCTTTAAAGGTTGCTTTAAAGAAGTGTAGCACGCCTTTA
 CTAAGAGCTTACTATGGCTCCTTGAAGACCATAGGTTTGGGCTAATACTTGAGAAGATTAACAGTGGA
 TAAATGATGATGCAAGGTACATGAAGGGCTGCCTGAACATGCGGACTCAGAAGTGTATGCAGTGCCTC
 CAACATCAGTGAGTTCCTGGACATAGCCAGGAGGACATACACAGAGATAGTGGACGACATAGCAGGAATG
 ATATCACAGCTCGCAGAGAAGTACAGTCTTCCCTTACGGACCAGCTTCAGCTCCGCGAGGGGGTTTTTCA
 TCCAGATGACCACAGACTGCGCTGCGCTCTCCAGTGACCAGCTTCCCTCAGAGTTTATTAAGATTTCTAA
 AGTAAAAACTCATATAGCTTTACATCAGCAGATTTAATTAATAAATGAATGAAAGATGCCAAGAGTCTTTG
 CGAAAACTATACATGACCTACATGATAGTGTGCAAGCTGCTCAGTGAGATCTACGAGCAGATCCATT
 GCTTGTACAAGCTCTCGACACAGTGTCAATGCTGGACATGCTGTGCTGTTGCTCATGCCTGCACTCT
 CTCTGACTACGTTTCGACCAGAGTTTACTGACACTTTAGCCATCAAACAAGGATGGCATCCCATTCTTGAA
 AAAATATCTGCAGAGAAACCTGTTGCAACAATACATATATCACAGAAGGGAGTAACGTTCTGATCATCA
 CTGGACCAAAATAGAGTGGAAAGTCCACGTTCTTAAAGCAGATTGCTCTTTGTCAGATCATGGCCAGAT
 CGGCTCCTTCGTCCAGCACAGTACGCCTCCTTCAGGATTGCTGCGCAGATCTTACGAGAATCAGCACT
 GATGATGATATTGAAACAAACTCTTCAACATTTATGAAAGAAATGAAAGAGATAGCATATATTCTCACA
 ATGCTAACGACAAGTCACTCATACTGATTGATGAGCTTGGCAGAGGCACTAATACAGAAGAAGGGACTGG
 TATTTCTTATGCTGTCTGTGAGCATCTGCTGAGCACAAAGGCATTTACTCTTCACTACCCATTCTCTG
 GAACTGTGCCATATAGACACCCTGTATCTTAATGTAGAAAACATGCATTTTGAAGTTTCAGCATGTGAAGA
 ATACCTCAAGAAATAAGGATGCAATTTTGTATACTTACAAACTTTCCAGGGGACTCACAGAAGAAAAACA
 CTATGGATTAAGAGTGCAGAAGCCTCCTCACTTCCACCATCAATTGCTTGGATGCCAGAGAGATCACAC
 ACACAAATTACAAGGCAATCTCGCAAAACCGAAGGAGTCCCCTGAGATGGATAGACAGAGAGCTGTGT
 ACCATCTGGCTACAAGGCTTGTCCAGGTCGCTCGAAACTCTCAGTTGGAGCCGGACAGGCTGCGGACATA
 TCTGAGTAATCTCAAGAAGAAGTATGAAGGGGACTTTCCAGGGCTGCGGACCTTCCAGAGAAGACTGAG
 GAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001106477

Insert Size:	2736 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_001106477.2</u> , <u>NP_001099947.2</u>
RefSeq Size:	2736 bp
RefSeq ORF:	2736 bp
Locus ID:	295541
Cytogenetics:	2q45