

Product datasheet for **RN213288**

Msh2 (NM_031058) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Msh2 (NM_031058) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Msh2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN213288 representing NM_031058
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGTTCAGCCCAAGGAGACGCTGCAGTTGGAGGGCGGCCGAGGTGGGCTTCGTACGCTTCTTTG
 AGGGCATGCCGGAGAAGCCGAGCACACCGTTCGGCCTCTTCGACCGCGGGGACTTTTACACCGCGCACGG
 CGAGGACGCGCTGCTGGCGGCCCGGAGGTGTTCAAGACCAAGCGTGATCAAGTACATGGGGCCGGCA
 GGGGCAAAGACCCTGCAGACTGTTGTGCTGAGTAAGATGAATTTTGTGCTTTTCGTGAAAGATCTTCTTC
 TGGTTCGTCACTATAGAGTTGAAGTTTATAAGAATAAAGCTGAAATAAGGCATCTAAGGAGAACGACTG
 GTATTTGGCATATAAGGCTTCTCCTGGCAATCTTCTCAGTTTGAAGACATCCTGTTTGGTAACAATGAC
 ATGGCCACTTCCATTGGCATTATGGGTATTAAGTGTCTACGGTTGATGGTCAGAGACAGGTTGGAGTTG
 GGGATGTGGATCCACCCAGAGAAAGCTAGGATTGTGTGAGTCCCTGACAACGATCAGTTCTCCAATCT
 CGAGGCTCTTCTGATTGAGATTGGACAAAGGAATGCATTTTACCAGGCGGAGAGACTGCTGGAGACATG
 GGGAAACTGAGGCAAGTTATACAGAGAGAGGGATTCTGATCACAGAAAGAAAGAGAATCGACTTTTCCA
 CAAAAGACATCTACCAGGATCTCAACCGGTTACTGAAAGGCAGAAAAGGAGAGCAGATGAACAGCGCTGT
 CTTACCAGAGATGGAGAATCAGGTTGCAGTTTCATCGTTGCTGCAGTGATCAAGTTCCTAGAACTCTTA
 TCAGATGATTGCAATTTTGGCAGTTTGAAGTGGCGACTTTTACTTTCAGCCAGTACATGAAGTTAGACA
 TGGCAGCAGTTAGAGCCCTCAACCTTTTCCAGGGTTCTGTTGAAGACACCACAGGCTCTCAGTCTCTGGC
 TGCATTTTGAATAAATGCAAACTGCTCAAGGACAAAGGCTGGTTAGCCAGTGGATCAACAGCCGCTC
 ATGGATAAAAACAGGATTGAAGAGAGATTAATTTAGTGAAGCTTTTGTGAAGATTGAGAATTTGAGGA
 GAGCTCTACAGGAGGATTACTTCGCGGATTTCCAGATCTTAACCGGCTTGCCAAAGAAATTCAGAGACA
 AGCAGCGAATTTACAAGATTGTTACCGACTGTATCAGGGTGTGAAACAGCTTCCAACGTATCCAGGCT
 CTGGAGAAATACCAAGGAAGACACCAGGCAATTGTTGTTGGCAGTTTTTGTGACTCCTTCTACTGATCTTC
 GTTCTGATTTTTCAAAATTTCAAGAAAAGATAGAAAACGACTTTAGATATGGATCAGGTGGAGAACCACGA
 ATTCCTTGTAACCTTTCATTTGATCCTAACCTGAGTGAAGTGAAGAGTCAAGAGAGTCAAGGATGGTCTGGAGAAG
 AAGATGCAGTCCACCTTAATAAGTGCAGCGCGGGTCTTGGATTGGACCTGGCAACAGATTAATTTGG
 ACTCCAGTGCACAGTTTGGGTATTACTTTCGTGTAACCTGCAAGGAAGAGAAAGTCTCCGCAACAACAA
 GAACCTCAGCACCGTGGATATCCAGAAGAATGGCGTTAAATTCACCAACAGTGAATTGTCTTCTTAAAT
 GAAGAATACACTAAGAACAAGGAGAGATGAGGAGGCCAGGATGCCATTGTTAAAGAAATCGTCAATA
 TTTCTCAGGCTACGTGGAGCCAATGCAGACCGTCAATGACGTGCTAGCTCACTTAGATGCCGTCGTTAG
 TTTTGCTCATGTGTCAAACGCAGCTCCTGTCCCTACGTGCGACCGGTCACTTTGGAGAAAAGGAAAAGGA
 AGAATTATAGTGAAGCCTCCAGGCATGCTTGTGTTGAAGTTCAACATGACGTTGCTTTTATTCCAAACG
 ATGTGCACTTTGAAAAGATAAACAGATGTTCCACATCATTACCGGGCCGAACATGGGAGGAAAAGTCAAC
 ATACATCCGTGAGACGGGGTATTGTGCTCATGGCCAAATGGGTGTTTTGTGCCGTGTGAGTCAGCA
 GAGGTGCCATTGTGGATTGCATCTTGGCTCGAGTCGGGGCTGGTACAGTCAGCTGAAAGGCGTCTCCA
 CATTATGGCTGAAATGCTGAAACTGCTTCTATCCTCAGTCCGCAACCAAGATTCTTAATAATCAT
 TGATGAGCTGGGAAGAGGAACCTACATACGACGGCTTTGGGTTAGCATGGCCATATCGGAGTACATC
 GCAACGAACATTGGTGCCTTTTGCATGTTTGCACCCATTTTTCATGAACCTTACCGCTTTGGCCAGTCAGA
 TACCAACCGTTAACAATCTCCACGTACAGCGCTGACTACCGAAGAGACCCTGACTATGCTTTACCAAGT
 GAAAACAGGTGTCTGTGATCAGAGTTTCGGGATTCATGTGGCTGAACTCGCTAATTTCCCTAGGCATGTG
 ATAGAGTGCGCCAAGCAGAAGGCTCTGGAGCTTGGAGTTTTCAGAGCATTGGGACCTCACAGGGACAGC
 ATGAAACCCAGCCAGCTGCAAAGAGGCGCTGCCTGAAAGAGAGCAAGGTGAGAAGATTATTCTGGAGTT
 CCTGTCCAAGTCAAGCAAGTGCCTTCACTGACTTGTGCGAGGAGAGCGTCTCAGTGAAGCTGAAGCAA
 CTGAAAGCTGAGGTGCTGGCAAGAACAACAGCTTTGTAATGAAATCATCTCACGGTAAAGGCTCCGT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_031058
Insert Size:	2802 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:	NM_031058.1 , NP_112320.1
RefSeq Size:	3002 bp
RefSeq ORF:	2802 bp
Locus ID:	81709
UniProt ID:	P54275
Cytogenetics:	6q12
Gene Summary:	mismatch repair protein; may have an important role in spermatogenesis [RGD, Feb 2006]