

Product datasheet for **SC211522**

MSH3 (NM_002439) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MSH3 (NM_002439) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MSH3
Synonyms:	DUP; FAP4; MRP1
ACCN:	NM_002439
Insert Size:	983 bp
Insert Sequence:	>SC211522 3'UTR clone of NM_002439 The sequence shown below is from the reference sequence of NM_002439. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAAGAAACACAGACTTCTCTTTCATTAATGAAGACTACATTTGTGAACAAAAATGGAGAATTAA
AAATACCAACTGTACAAAATAACTCTCCAGTAACAGCCTATCTTTGTGTGACATGTGAGCATAAAATTA
TGACCATGGTATATTCTATTGGAACAGAGAGGTTTTCTGAAGACAGTCTTTTCAAGTTTCTGTCT
TCCTAACTTTTCTACGTATAAACTCTTGAATAGACTTCCACTTTGTAATTAGAAAATTTATGGACA
GTAAGTCCAGTAAAGCCTTAAGTGGCAGAATATAATTCCAAGCTTTGGAGGGTGATATAAAAATTTA
CTTGATATTTTTATTTGTTTCAGTTCAGATAATTGGCAACTGGGTGAATCTGGCAGGAATCTATCCATT
GAACTAAAATAATTTTATTATGCAACCAGTTTATCCACCAAGAACATAAGAATTTTTATAAGTAGAAA
GAATTGGCCAGGCATGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGTAGGCAGATCAC
CTGAGGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGCAAACCCCATCTTTACTAAAAATATAAAGT
ACATCTCTACTAAAAATACGAAAAAATTAGCTGGGCATGGTGGCGCACACCTGTAGTCCCAGCTACTCC
GGAGGCTGAGGCAGGAGAATCTCTTGAACCTGGGAGGCGGAGGTTGCAATGAGCCGAGATCACGTCACT
GCACTCCAGCTTGGGCAACAGAGCAAGACTCCATCTCAAAAAAAAAAAAAAAAAAGAAAAAGAAATAG
AATTATCAAGCTTTTAAAACTAGAGCACAGAAGGAATAAGGTGATGAAATTTAAAGGTTAAATATTG
TCATAGGATTAAGCAGTTTAAAGATTGTTGGATGAAATTTTGTGATTCATTCAAGTAATAAATATTT
AATGAATACTTGCTATA
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_002439.5
Summary:	The protein encoded by this gene forms a heterodimer with MSH2 to form MutS beta, part of the post-replicative DNA mismatch repair system. MutS beta initiates mismatch repair by binding to a mismatch and then forming a complex with MutL alpha heterodimer. This gene contains a polymorphic 9 bp tandem repeat sequence in the first exon. The repeat is present 6 times in the reference genome sequence and 3-7 repeats have been reported. Defects in this gene are a cause of susceptibility to endometrial cancer. [provided by RefSeq, Mar 2011]
Locus ID:	4437
MW:	37.6