

Product datasheet for **SC203467**

MSH2 (NM_000251) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: MSH2 (NM_000251) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: MSH2
Synonyms: COCA1; FCC1; hMSH2; HNPCC; HNPCC1; LCFS2; MMRC52
ACCN: NM_000251
Insert Size: 304 bp
Insert Sequence: >SC203467 3'UTR clone of NM_000251

The sequence shown below is from the reference sequence of NM_000251. 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
ATCATTTACGAAATAAAAGTTACTACGTGAAAAATCCCAGTAATGGAATGAAGGTAATATTGATAAGCT
ATTGCTGTAATAGTTTTATATTGTTTTATATTAACCCTTTTTCCATAGTGTAACTGTCAGTGCCCAT
GGGCTATCAACTTAATAAGATATTTAGTAATATTTACTTTGAGGACATTTCAAAGATTTTATTTTG
AAAAATGAGAGCTGTAAGTACTGAGGACTGTTTGAATTGACATAGGCAATAATAAGTATGATGCTGAATTT
TATAAATAAAATCATGTAGTTTGTGAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

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_000251.3](#)



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Summary: This locus is frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Locus ID: 4436

MW: 11.5