

Product datasheet for **SC200343**

MYH (MUTYH) (NM_012222) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: MYH (MUTYH) (NM_012222) Human 3' UTR Clone

Symbol: MYH

Synonyms: MYH

Mammalian Cell Selection: Neomycin

Vector: pMirTarget (PS100062)

ACCN: NM_012222

Insert Size: 94 bp

Insert Sequence: >SC200343 3'UTR clone of NM_012222
The sequence shown below is from the reference sequence of NM_012222. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCACACAGCCTCAACAGTGCAGCCAGTGACACCTCTGAAAGCCCCATTCCCTGAGAATCCTGTTGTT
AGTAAAGTGCTTATTTTTGTAGTTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

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_012222.3](#)



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Summary:

This gene encodes a DNA glycosylase involved in oxidative DNA damage repair. The enzyme excises adenine bases from the DNA backbone at sites where adenine is inappropriately paired with guanine, cytosine, or 8-oxo-7,8-dihydroguanine, a major oxidatively damaged DNA lesion. The protein is localized to the nucleus and mitochondria. This gene product is thought to play a role in signaling apoptosis by the introduction of single-strand breaks following oxidative damage. Mutations in this gene result in heritable predisposition to colorectal cancer, termed MUTYH-associated polyposis (MAP). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2017]

Locus ID:

4595

MW:

3.4