

Product datasheet for **SC201798**

ME3 (NM_006680) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ME3 (NM_006680) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ME3
Synonyms:	NADP-ME
ACCN:	NM_006680
Insert Size:	201 bp
Insert Sequence:	>SC201798 3'UTR clone of NM_006680 The sequence shown below is from the reference sequence of NM_006680. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AAGGAAGCCATGAATGTTTCAGACGGTCTGAGGCAGTCTCAGAGGCTAGTATGGGGCTAGATGAAGCCCA GAGTAACACCCACAATATAAATGGGTTCCAAAATGGCCCAAGTGAATCCTTGTCGCTGTGTTTTTCTT TTAAACTTTCTGGTGTGAGAGGAGATGCCAAGGCATACAGTGAATAAAAGCCTTGCTCTGAA ACGCGT AAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA 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:	<u>NM_006680.3</u>



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Summary: Malic enzyme catalyzes the oxidative decarboxylation of malate to pyruvate using either NAD⁺ or NADP⁺ as a cofactor. Mammalian tissues contain 3 distinct isoforms of malic enzyme: a cytosolic NADP(+)-dependent isoform, a mitochondrial NADP(+)-dependent isoform, and a mitochondrial NAD(+)-dependent isoform. This gene encodes a mitochondrial NADP(+)-dependent isoform. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]

Locus ID: 10873

MW: 7.8