

Product datasheet for SC207796

Methionine Sulfoxide Reductase A (MSRA) (NM_012331) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Methionine Sulfoxide Reductase A (MSRA) (NM_012331) Human 3' UTR Clone
Symbol:	Methionine Sulfoxide Reductase A
Synonyms:	PMSR
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_012331
Insert Size:	609 bp
Insert Sequence:	>SC207796 3'UTR clone of NM_012331 The sequence shown below is from the reference sequence of NM_012331. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GTGTCCTGCCAGTGGGTATTAATAAATTTCTCCCCACATGGTGGGCCTTTGAGGTTCCAGTAAAA
ATGCTTTCAACAAATTGGGCAATGCTTGTGTGATTACAATCGTGGCATTAAAGTGCACAAAGTACAA
AGGAATTTATACAGATTGGGTTTACCGAAGTATAATCTATAGGAGGCGCGATGGCAAGTTGATAAATG
TGACTTATCTCCTAATAAGTTATGGTGGGAGTGGAGCTGTGCAGTTTCTGTGTCTTCTGGGGTCTGAG
TGAAGATAGCAGGATGCTGTGTTCACCTTCTTGGTAGAAGCTAAGGTGTGAGCTGGGAGGTTGCTGG
ACAGGATGGGGGACCCGAGAAGTCTTTATCTGTGCTCTCTGCCCGCCAGTGCCTTACAATTTGCAAC
GTGTATAGCCTCAGTGACTCATTGCTGAAATCCTTCGCTTTACCAATCTAGACATACATAAGGGGCT
TTCTCTCCCTTTTCAGCCCTCTCTGTGCAGAGAAAAGATGTGAGTCCGCTTGATGAATTTAATGCTTT
GCTTAGAGCTATGAGAAATGTTTGTGTTAATAAAAACTACAGTCCAATAATGCCAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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).


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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_012331.5</u>
Summary:	This gene encodes a ubiquitous and highly conserved protein that carries out the enzymatic reduction of methionine sulfoxide to methionine. Human and animal studies have shown the highest levels of expression in kidney and nervous tissue. The protein functions in the repair of oxidatively damaged proteins to restore biological activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
Locus ID:	4482
MW:	23.1