

## Product datasheet for SC212788

### MSRB2 (NM\_012228) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MSRB2 (NM\_012228) Human 3' UTR Clone  
**Symbol:** MSRB2  
**Synonyms:** CBS-1; CBS1; CGI-131; MSRB; PILB  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_012228  
**Insert Size:** 1181 bp  
**Insert Sequence:** >SC212788 3'UTR clone of NM\_012228

The sequence shown below is from the reference sequence of NM\_012228. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
GCTTTGAAGTTCAAACCAAGGAAACACTGACCATCTTCAAGAGTCCCGTTCCTTGCCACCCCTTCAGC
TGCACCCTCAATTTCCACAATTCACCTTGAATGACTTGTTTTATTGCAATAAACTGGGCTGAATTTGC
TGCTGTCTCCAGCGAGTCATTGCTTCTCTTAATTTATTTACCTGGAATCAACTTAATCCTGTGTGTAG
GCTGTTCTTGTTGCTATAAAGAAGTACCTGATCAGGATCTGGGAGAATTTGAAAAAAAAAGAAAAAC
TAGAAAAATAAACAAAATTAAGAAAGAAAAAAAAATACCTGAGACTGAGTAACTTATAAAGAAAAGAGGT
TTAATTGACTCACAGTTCTGCAGGGTGTACAGAAAGCATGGTGCCAGCATTGCTCGGATTCTGGGGAG
ACCTGAGGGAGCTTTTACTCATGGCAGAAGGTGAAGGGGGAGCCGGCTCTCACATGGCAAAGCAGGAG
CAAGAGAGAGTGGTAGGGAGGTGCCACATACTTTAAACAGCCAGATCTCTCAAGAACTCACTCACTGT
CACCAGGACAGCACCAAGCCATGAGGGATCCACCCTCATGACCCAGTTACCTCCCGCAGGGCCACCT
CCGGCACTAGGAATTACTTCAACATAAGATTTGGAGAGGGAAAACATCCAACCATATCACCCAACT
CCCCTGGAGTAGAAGTTACAAAAACGACAGAGGGACAGCTGTTCCATCAAACACTTCCACAGCTTC
ACCTGAGACGAGGGCATGACTCTGGGAACATCAGGAGGCTGACTATTAAGCCAAACAATTCCTAC
AAAAATCCCTGCACCTTCCACTGCGTTTCAGTCCTTGACAGACATAAGTAAGGGATCAAGTGAGAAGA
GGAAGGAAAATACAGGATCCAAGGAATCAACAATGCTAGCACTGAAGAGCAGGATTACGGAGGAGCTGT
GCTCTGGGAGCATATATGGTGATCAATCAGATGCATGACTTTTTTTTTCAAATTTTAAATGTCTTGAGC
ATGCTACTTCCAACATTCTACCCACAAAATAAAGTGAATAGGACTTGGTTAGATTTCAATGATTATGA
ATAAATGTTACCTTCATACCTTCTGGTTACAAAGCTAACTTTAAAATGTCCAATAAAATATTCAT
AAAATTTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_012228.4</a>
<b>Summary:</b>	Methionine-sulfoxide reductase that specifically reduces methionine (R)-sulfoxide back to methionine. While in many cases, methionine oxidation is the result of random oxidation following oxidative stress, methionine oxidation is also a post-translational modification that takes place on specific residue. Upon oxidative stress, may play a role in the preservation of mitochondrial integrity by decreasing the intracellular reactive oxygen species build-up through its scavenging role, hence contributing to cell survival and protein maintenance. [UniProtKB/Swiss-Prot Function]
<b>Locus ID:</b>	22921
<b>MW:</b>	44.9