

Product datasheet for **SC329433**

MSRB3 (NM_001193461) Human Untagged Clone

Product data:

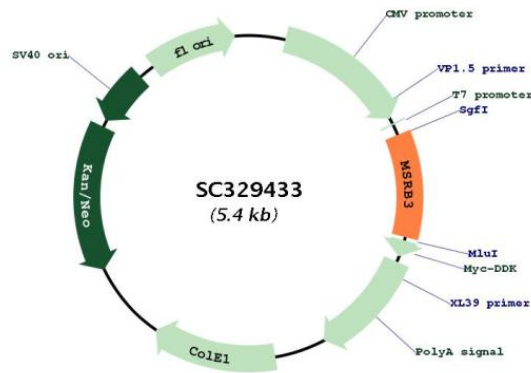
Product Type: Expression Plasmids
Product Name: MSRB3 (NM_001193461) Human Untagged Clone
Tag: Tag Free
Symbol: MSRB3
Synonyms: DFNB74
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329433 representing NM_001193461.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCTGCATTCAACCTGCTGCATTTGGTGACAAAGAGCCAGCCAGTAGCCCTTCGAGCCTGTGGGCTT
CCCTCAGGGTCGTGTAGGGATAAAAAGAACTGTAAGGTGGTCTTTTCCCAGCAGGAACTGAGGAAGCGG
CTAACACCCCTGCAGTACCATGTCACCTCAGGAGAAAGGGACCGAAAGTGCCTTTGAAGGAGAATACACA
CATCACAAAGATCCTGGAATATATAAATGTGTTGTTTGTGGAACCTCATTGTTTAAAGTCAGAAACCAA
TTTGACTCCGGTTCAGGTTGGCCTTCATTCCACGATGTGATCAATTCTGAGGCAATCACATTCACAGAT
GACTTTTCCTATGGGATGCACAGGTGGAAACAAGCTGCTCTCAGTGTGGTGCTCACCTTGGGCACATT
TTTGATGATGGGCCTCGTCCAACCTGGGAAAAGATACTGCATAAATTCGGCTGCCTTGTCTTTACACCT
GCGGATAGCAGTGGCACCGCCGAGGGAGGCAGTGGGGTCGCCAGCCCGCCAGGACAGACAAAGCGGAG
CTCTAG
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001193461

Insert Size: 558 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001193461.1](#)

RefSeq Size: 4296 bp

RefSeq ORF: 558 bp

Locus ID: 253827

UniProt ID: [Q8IXL7](#)

Cytogenetics: 12q14.3

MW: 20 kDa

Gene Summary: The protein encoded by this gene catalyzes the reduction of methionine sulfoxide to methionine. This enzyme acts as a monomer and requires zinc as a cofactor. Several transcript variants encoding two different isoforms have been found for this gene. One of the isoforms localizes to mitochondria while the other localizes to endoplasmic reticula. [provided by RefSeq, Jul 2010]

Transcript Variant: This variant (4) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1. Variants 2, 3, and 4 all encode isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.