

Product datasheet for TR311374

MSRB2 Human shRNA Plasmid Kit (Locus ID 22921)

Product data:

Product Type: shRNA Plasmids

Product Name: MSRB2 Human shRNA Plasmid Kit (Locus ID 22921)

Locus ID: 22921

CBS-1; CBS1; CGI-131; MSRB; PILB Synonyms:

Vector: pRS (TR20003)

E. coli Selection: Ampicillin Mammalian Cell Puromycin

Selection:

Format: Retroviral plasmids

MSRB2 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = Components:

22921). 5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.

NM 012228, NM 012228.1, NM 012228.2, NM 012228.3, BC018030, BC066305, BC117471, RefSeq:

BC130380

UniProt ID: Q9Y3D2

Summary: 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]

These shRNA constructs were designed against multiple splice variants at this gene locus. To shRNA Design:

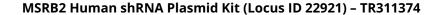
> be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com





Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).