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Product datasheet for RC215002L3V

MSRB2 (NM_012228) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MSRB2 (NM_012228) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MSRB2
Synonyms:	CBS-1; CBS1; CGI-131; MSRB; PILB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_012228
ORF Size:	603 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC215002).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_012228.2, NP_036360.2
RefSeq Size:	903 bp
RefSeq ORF:	549 bp
Locus ID:	22921
UniProt ID:	Q9Y3D2
Cytogenetics:	10p12.2
Domains:	SelR
Protein Families:	Transcription Factors

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MW: 21.47 kDa

Gene 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]