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Product datasheet for TR501914

Mst1r Mouse shRNA Plasmid (Locus ID 19882)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Mst1r Mouse shRNA Plasmid (Locus ID 19882)
Locus ID:	19882
Synonyms:	CD136; CDw136; Fv; Fv-; Fv-2; Fv2; PTK; PTK8; Ron; ST; STK
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Mst1r - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 19882). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001287261, NM_009074, NR_109782, NM_009074.1, NM_009074.2, NM_001287261.1, BC141379
UniProt ID:	Q62190
Summary:	This gene encodes a precursor protein that is proteolytically cleaved to yield an alpha chain and a beta chain which form a membrane-spanning heterodimer. The encoded protein belongs to a family of cell-surface receptor tyrosine kinases involved in signaling from the cell surface to the intracellular environment. The binding of the encoded protein to its ligand, macrophage-stimulating protein, mediates several biological activities including wound healing, tumor immunity, macrophage activation and hematopoiesis as well as cell growth, motility, survival and adhesion. The protein encoded by this gene also functions in early development and the macrophage-mediated inflammatory response. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To 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.

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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).