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Product datasheet for TR320585

MNK1 (MKNK1) Human shRNA Plasmid Kit (Locus ID 8569)

Product data:

Product Type:	shRNA Plasmids
Product Name:	MNK1 (MKNK1) Human shRNA Plasmid Kit (Locus ID 8569)
Locus ID:	8569
Synonyms:	MNK1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	MKNK1 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 8569). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001135553, NM_003684, NM_198973, NR_024174, NR_024176, NR_146512, NM_003684.1, NM_003684.2, NM_003684.3, NM_003684.4, NM_003684.5, NM_198973.1, NM_198973.2, NM_198973.3, NM_001135553.1, NM_001135553.2, BC002755, BC002755.2, BM665342, NR_024175
UniProt ID:	Q9BUB5
Summary:	This gene encodes a Ser/Thr protein kinase that interacts with, and is activated by ERK1 and p38 mitogen-activated protein kinases, and thus may play a role in the response to environmental stress and cytokines. This kinase may also regulate transcription by phosphorylating eIF4E via interaction with the C-terminal region of eIF4G. Alternatively spliced transcript variants have been noted for this gene. [provided by RefSeq, Jan 2012]
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).