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Product datasheet for TR311514

MEF2B (BORCS8-MEF2B) Human shRNA Plasmid Kit (Locus ID 4207)

Product data:

Product Type:	shRNA Plasmids
Product Name:	MEF2B (BORCS8-MEF2B) Human shRNA Plasmid Kit (Locus ID 4207)
Locus ID:	4207
Synonyms:	FLJ32599; FLJ46391; MADS box transcription enhancer factor 2, polypeptide B (myocyte enhancer factor 2B); MGC189732; MGC189763; myocyte enhancer factor 2B; RSRFR2; RSRFR2, FLJ32599, FLJ46391, MGC189732, MGC189763
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	BORCS8-MEF2B - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 4207). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001134794, NM_001134795, NM_005919, NR_015420, NR_027307, NR_027308, NM_005919.1, NM_005919.2, NM_005919.3, NM_001134794.1, NM_001134795.1, BC126245, BC136457, BC171767, NM_005919.4
UniProt ID:	Q02080
Summary:	This gene represents numerous read-through transcripts that span GeneID:729991 and 100271849. Many read-through transcripts are predicted to be nonsense-mediated decay (NMD) candidates, and are thought to be non-coding. Some transcripts are predicted to be capable of translation reinitiation at a downstream AUG, resulting in expression of at least one isoform of myocyte enhancer factor 2B (MEF2B) from this read-through locus. At least one additional MEF2B variant and isoform can be expressed from a downstream promoter, and is annotated on GeneID:100271849. [provided by RefSeq, Oct 2010]
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).