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Product datasheet for TL303357

MAP1B Human shRNA Plasmid Kit (Locus ID 4131)

Product data:

Product Type:	shRNA Plasmids
Product Name:	MAP1B Human shRNA Plasmid Kit (Locus ID 4131)
Locus ID:	4131
Synonyms:	FUTSCH; MAP5; PPP1R102; PVNH9
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	MAP1B - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 4131). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_005909, NM_032010, NM_001324255, NM_005909.1, NM_005909.2, NM_005909.3, NM_005909.4, NM_032010.1, BC017240, BC025240, BC032516, BC033486, BC039822, BC046114, BC056145, BC062464, BC063669, BC073993, BC094834, BC108733, BC139918, BC141853, BC150196, BC172388
UniProt ID:	P46821
Summary:	This gene encodes a protein that belongs to the microtubule-associated protein family. The proteins of this family are thought to be involved in microtubule assembly, which is an essential step in neurogenesis. The product of this gene is a precursor polypeptide that presumably undergoes proteolytic processing to generate the final MAP1B heavy chain and LC1 light chain. Gene knockout studies of the mouse microtubule-associated protein 1B gene suggested an important role in development and function of the nervous system. [provided by RefSeq, Jul 2008]
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).