Product datasheet for TL316639

NF2 Human shRNA Plasmid Kit (Locus ID 4771)

Product data:

Product Type:	shRNA Plasmids
Product Name:	NF2 Human shRNA Plasmid Kit (Locus ID 4771)
Locus ID:	4771
Synonyms:	ACN; BANF; merlin-1; SCH
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	NF2 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 4771). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_000268, NM_016418, NM_181825, NM_181826, NM_181827, NM_181828, NM_181829, NM_181830, NM_181831, NM_181832, NM_181833, NM_181834, NM_181835, NM_181830.1, NM_181830.2, NM_000268.1, NM_000268.2, NM_000268.3, NM_181832.1, NM_181832.2, NM_181829.1, NM_181829.2, NM_181833.1, NM_181833.2, NM_016418.3, NM_016418.5, NM_181825.1, NM_181825.2, NM_181828.1, NM_181828.2, NM_181831.1, NM_181831.2, NM_181827.1, BC003112, BC003112.1, BC020257, BC020257.1, BC007279, BC007336, BC010060, BC071653, NR_156186, NM_181825.3, NM_181829.3, NM_181831.3, NM_181830.3, NM_181832.3, NM_181828.3, NM_000268.4
UniProt ID:	P35240
Summary:	This gene encodes a protein that is similar to some members of the ERM (ezrin, radixin, moesin) family of proteins that are thought to link cytoskeletal components with proteins in the cell membrane. This gene product has been shown to interact with cell-surface proteins, proteins involved in cytoskeletal dynamics and proteins involved in regulating ion transport. This gene is expressed at high levels during embryonic development; in adults, significant expression is found in Schwann cells, meningeal cells, lens and nerve. Mutations in this gene are associated with neurofibromatosis type II which is characterized by nervous system and skin tumors and ocular abnormalities. Two predominant isoforms and a number of minor isoforms are produced by alternatively spliced transcripts. [provided by RefSeq, Jul 2008]

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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.
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).