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Product datasheet for TG306827

RED1 (ADARB1) Human shRNA Plasmid Kit (Locus ID 104)

Product data:

Product Type:	shRNA Plasmids
Product Name:	RED1 (ADARB1) Human shRNA Plasmid Kit (Locus ID 104)
Locus ID:	104
Synonyms:	ADAR2; ADAR2a; ADAR2a-L1; ADAR2a-L2; ADAR2a-L3; ADAR2b; ADAR2c; ADAR2d; ADAR2g; DRABA2; DRADA2
Vector:	pGFP-V-RS (TR30007)
E. coli Selection:	Kanamycin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	ADARB1 - Human, 4 unique 29mer shRNA constructs in retroviral GFP vector(Gene ID = 104). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-V-RS Vector, TR30013, included for free.
RefSeq:	NM_001033049, NM_001112, NM_001145407, NM_001160230, NM_015833, NM_015834, NR_027672, NR_027673, NR_027674, NR_073200, NM_001346687, NM_001346688, NR_144483, NM_001112.1, NM_001112.2, NM_001112.3, NM_015833.1, NM_015833.2, NM_015833.3, NM_015834.1, NM_015834.2, NM_015834.3, NM_001160230.1, NM_001033049.1, NM_001145407.1, BC065545, BC065545.1, BC030663, BC046198, NM_015833.4, NM_001160230.2, NM_015834.4, NM_001112.4
UniProt ID:	P78563
Summary:	This gene encodes the enzyme responsible for pre-mRNA editing of the glutamate receptor subunit B by site-specific deamination of adenosines. Studies in rat found that this enzyme acted on its own pre-mRNA molecules to convert an AA dinucleotide to an AI dinucleotide which resulted in a new splice site. Alternative splicing of this gene results in several transcript variants, some of which have been characterized by the presence or absence of an ALU cassette insert and a short or long C-terminal region. [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).