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Product datasheet for TL500577

Ednrb Mouse shRNA Plasmid (Locus ID 13618)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Ednrb Mouse shRNA Plasmid (Locus ID 13618)
Locus ID:	13618
Synonyms:	ET-B; ET-BR; ETb; ETR-; ETR-b; Sox10; Sox10m1
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Ednrb - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 13618). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	BC026553, NM_001136061, NM_001276296, NM_007904, NM_001136061.1, NM_001136061.2, NM_007904.1, NM_007904.2, NM_007904.3, NM_007904.4, NM_001276296.1
UniProt ID:	P48302
Summary:	This gene encodes a member of the G-protein coupled receptor family. It encodes a receptor for endothelins, peptides that are involved in vasocontriction. The encoded protein activates a phosphatidylinositol-calcium second messenger system and is required for the development of enteric neurons and melanocytes. Gene disruption causes pigmentation anomalies, deafness, and abnormal dilation of the colon due to defects of neural crest-derived cells. Mutations in this gene are found in the piebald mouse, and mouse models of Hirschsprung's disease and Waardenburg syndrome type 4. Renal collecting duct-specific gene deletion causes sodium retention and hypertension. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]
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).