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Product datasheet for TL511857

Tac4 Mouse shRNA Plasmid (Locus ID 93670)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Tac4 Mouse shRNA Plasmid (Locus ID 93670)
Locus ID:	93670
Synonyms:	AW489379; PPT-C
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Tac4 - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 93670). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	BC119426, NM_053093, NM_053093.1, NM_053093.2
UniProt ID:	Q99N14
Summary:	Tachykinins are active peptides which excite neurons, evoke behavioral responses, are potent vasodilators and secretagogues, and contract (directly or indirectly) many smooth muscles. Hemokinin induces plasma extravasation, mast cell degranulation, muscle contraction, salivary secretion and scratching behavior. Increases sperm motility. Induces potent analgesic effects and may play a role in pain modulation. Promotes survival of bone marrow B lineage cells and of cultured LPS-stimulated pre-B cells and may act as an autocrine factor required for B-cell survival and proliferation. Lowers systemic arterial pressure following intravenous injection. Induces interferon-gamma production and may play a role in the inflammatory response. Shows potent affinity and specificity for the NK-1 receptor.[UniProtKB/Swiss-Prot Function]
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).