

Product datasheet for **TL308973**

Neurokinin B (TAC3) Human shRNA Plasmid Kit (Locus ID 6866)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Neurokinin B (TAC3) Human shRNA Plasmid Kit (Locus ID 6866)
Locus ID:	6866
Synonyms:	gamma tachykinin 3; neurokinin-B protein; neurokinin B-like protein; neurokinin beta; neuromedin K, neurokinin beta; NKB; NKB, NKNB, PRO1155, ZNEUROK1; NKNB; preprotachykinin B; PRO1155; tachykinin 3; ZNEUROK1
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	TAC3 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 6866). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001006667 , NM_001178054 , NM_013251 , NR_033654 , NR_135164 , NR_135165 , NR_135166 , NM_013251.1 , NM_013251.2 , NM_013251.3 , NM_001178054.1 , NM_001006667.1 , BC032145 , BC032145.2 , NM_013251.4 , NM_001178054.2
UniProt ID:	Q9UHF0
Summary:	This gene encodes a member of the tachykinin family of secreted neuropeptides. The encoded preproprotein is proteolytically processed to generate the mature peptide, which is primarily expressed in the central and peripheral nervous systems and functions as a neurotransmitter. This peptide is the ligand for the neurokinin-3 receptor. This protein is also expressed in the outer syncytiotrophoblast of the placenta and may be associated with pregnancy-induced hypertension and pre-eclampsia. Mutations in this gene are associated with normosmic hypogonadotropic hypogonadism. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]
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).