

Product datasheet for TL700777

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Creb3l4 Rat shRNA Plasmid (Locus ID 310616)

Product data:

Product Type: shRNA Plasmids

Product Name: Creb3l4 Rat shRNA Plasmid (Locus ID 310616)

Locus ID: 310616 Synonyms: AlbZIP

Vector:pGFP-C-shLenti (TR30023)E. coli Selection:Chloramphenicol (34 ug/ml)

Mammalian Cell

Selection:

Puromycin

Format: Lentiviral plasmids

Components: Creb3l4 - Rat, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 310616).

5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.

RefSeq: <u>NM 001007093, NM 001007093.1</u>

UniProt ID: Q5UEM7

Summary: Transcriptional activator that may play a role in the unfolded protein response. Binds to the

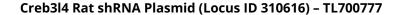
UPR element (UPRE) but not to CRE element. Preferentially binds DNA with to the consensus sequence 5'-T[GT]ACGT[GA][GT]-3' and has transcriptional activation activity from UPRE. Binds to NF-kappa-B site and has transcriptional activation activity from NF-kappa-B-containing regulatory elements. Increases the binding of CREM isoform Delta with CRE. The CREM isoform Delta-CREB3L4 heterodimer functions through CRE but not through UPRE and may recruit HIRA to CRE to regulate histone exchange (By similarity).[UniProtKB/Swiss-Prot

Function1

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 <u>techsupport@origene.com</u>. If you need a special design or shRNA sequence, please utilize our <u>custom shRNA service</u>.







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).