

Product datasheet for TR519895

Troduct datastreet for TR515655

Tbc1d2 Mouse shRNA Plasmid (Locus ID 381605)

Product data:

Product Type: shRNA Plasmids

Product Name: Tbc1d2 Mouse shRNA Plasmid (Locus ID 381605)

Locus ID: 381605

Synonyms: A630005A06Rik; BC022630; Gm1037; PARIS-1; PARIS1

Vector: pRS (TR20003)

E. coli Selection: Ampicillin

Mammalian Cell Puromycin

Selection:

Format: Retroviral plasmids

Components: Tbc1d2 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID =

381605). 5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.

RefSeq: NM 198664, NM 198664.1, NM 198664.2, NM 198664.3, BC022630

UniProt ID: B1AVH7

Summary: Acts as GTPase-activating protein for RAB7A. Signal effector acting as a linker between RAC1

and RAB7A, leading to RAB7A inactivation and subsequent inhibition of cadherin degradation

and reduced cell-cell adhesion (By similarity).[UniProtKB/Swiss-Prot Function]

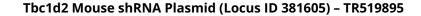
shRNA Design: These shRNA constructs were designed against multiple splice variants at this gene locus. To

be certain that your variant of interest is targeted, please contact <u>techsupport@origene.com</u>. 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).