

Product datasheet for TL320684

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TRIB2 Human shRNA Plasmid Kit (Locus ID 28951)

Product data:

Product Type: shRNA Plasmids

Product Name: TRIB2 Human shRNA Plasmid Kit (Locus ID 28951)

Locus ID: 28951

Synonyms: C5FW; GS3955; TRB2

Vector: pGFP-C-shLenti (TR30023)

E. coli Selection: Chloramphenicol (34 ug/ml)

Mammalian Cell

Selection:

Puromycin

Format: Lentiviral plasmids

Components: TRIB2 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 28951).

5µg purified plasmid DNA per construct

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

RefSeq: NM 021643, NR 027303, NM 021643.1, NM 021643.2, NM 021643.3, BC002637, BC002637.2

UniProt ID: Q92519

Summary: This gene encodes one of three members of the Tribbles family. The Tribbles members share

a Trb domain, which is homologous to protein serine-threonine kinases, but lacks the active

site lysine and probably lacks a catalytic function. The Tribbles proteins interact and modulate the activity of signal transduction pathways in a number of physiological and pathological processes. This Tribbles member induces apoptosis of cells mainly of the

hematopoietic origin. It has been identified as a protein up-regulated by inflammatory stimuli in myeloid (THP-1) cells, and also as an oncogene that inactivates the transcription factor C/EBPalpha (CCAAT/enhancer-binding protein alpha) and causes acute myelogenous

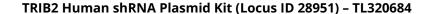
leukemia. Alternatively spliced transcript variants have been found for this gene. [provided by

RefSeq, Mar 2009]

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.







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).