

## Product datasheet for **TR307653**

### **TCTEX1D2 Human shRNA Plasmid Kit (Locus ID 255758)**

#### **Product data:**

Product Type:	shRNA Plasmids
Product Name:	TCTEX1D2 Human shRNA Plasmid Kit (Locus ID 255758)
Locus ID:	255758
Synonyms:	SRTD17; TCTEX1D2
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	TCTEX1D2 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 255758). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<u><a href="#">NM_152773</a></u> , <u><a href="#">NM_001351628</a></u> , <u><a href="#">NM_152773.1</a></u> , <u><a href="#">NM_152773.2</a></u> , <u><a href="#">NM_152773.3</a></u> , <u><a href="#">NM_152773.4</a></u> , <u><a href="#">BC021177</a></u> , <u><a href="#">BC015348</a></u> , <u><a href="#">BM548106</a></u> , <u><a href="#">BM983853</a></u>
UniProt ID:	<u><a href="#">Q8WW35</a></u>
Summary:	Dyneins are a group of microtubule-activated ATPases that function as molecular motors. They are divided into two subgroups of axonemal and cytoplasmic dyneins. The cytoplasmic dyneins function in intracellular motility, including retrograde axonal transport, protein sorting, organelle movement, and spindle dynamics. Molecules of conventional cytoplasmic dynein are comprised of 2 heavy chain polypeptides and a number of intermediate and light chains. This gene encodes a subunit of the human cytoplasmic dynein-2 complex. Mutations in this gene are associated with short-rib thoracic dysplasia 17 with or without polydactyly. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2017]
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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <u><a href="#">custom shRNA service</a></u> .


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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](mailto: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).