

Product datasheet for **TR318803**

TCEB1 Human shRNA Plasmid Kit (Locus ID 6921)

Product data:

Product Type:	shRNA Plasmids
Product Name:	TCEB1 Human shRNA Plasmid Kit (Locus ID 6921)
Locus ID:	6921
Synonyms:	SIII; TCEB1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	ELOC - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 6921). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001204857 , NM_001204858 , NM_001204859 , NM_001204860 , NM_001204861 , NM_001204862 , NM_001204863 , NM_001204864 , NM_005648 , NM_005648.1 , NM_005648.2 , NM_005648.3 , NM_001204863.1 , NM_001204864.1 , NM_001204857.1 , NM_001204858.1 , NM_001204859.1 , NM_001204860.1 , NM_001204861.1 , NM_001204862.1 , BC013809 , BC013809.1 , BC093065 , BC100028 , BC100283 , BM720777 , BM821650 , NM_001204863.2 , NM_001204859.2 , NM_001204858.2 , NM_005648.4
UniProt ID:	Q15369
Summary:	This gene encodes the protein elongin C, which is a subunit of the transcription factor B (SIII) complex. The SIII complex is composed of elongins A/A2, B and C. It activates elongation by RNA polymerase II by suppressing transient pausing of the polymerase at many sites within transcription units. Elongin A functions as the transcriptionally active component of the SIII complex, whereas elongins B and C are regulatory subunits. Elongin A2 is specifically expressed in the testis, and capable of forming a stable complex with elongins B and C. The von Hippel-Lindau tumor suppressor protein binds to elongins B and C, and thereby inhibits transcription elongation. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been identified. [provided by RefSeq, Mar 2011]



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- 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).