

## Product datasheet for TL301110

## OriGene Technologies, Inc.

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## **THOC3 Human shRNA Plasmid Kit (Locus ID 84321)**

**Product data:** 

**Product Type:** shRNA Plasmids

Product Name: THOC3 Human shRNA Plasmid Kit (Locus ID 84321)

**Locus ID:** 84321

**Synonyms:** hTREX45; THO3

Vector: pGFP-C-shLenti (TR30023)

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

Mammalian Cell

Selection:

Puromycin

Format: Lentiviral plasmids

Components: THOC3 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 84321).

5µg purified plasmid DNA per construct

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

RefSeq: NM 032361, NM 032361.1, NM 032361.2, NM 032361.3, BC006849, BC006849.1, BC066325,

BC068499

UniProt ID: Q96J01

Summary: This gene encodes a component of the nuclear THO transcription elongation complex, which

is part of the larger transcription export (TREX) complex that couples messenger RNA

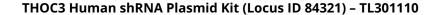
processing and export. In humans, the transcription export complex is recruited to the 5'-end of messenger RNAs in a splicing- and cap-dependent manner. Studies of a related complex in

mouse suggest that the metazoan transcription export complex is involved in cell differentiation and development. A pseudogene of this gene has been defined on

chromosome 5. [provided by RefSeq, May 2013]

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).