

Product datasheet for TR313137

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

EXOC6 Human shRNA Plasmid Kit (Locus ID 54536)

Product data:

Product Type: shRNA Plasmids

Product Name: EXOC6 Human shRNA Plasmid Kit (Locus ID 54536)

Locus ID: 54536

Synonyms: EXOC6A; SEC15L; SEC15L1; SEC15L3; Sec15p

Vector: pRS (TR20003)

E. coli Selection: Ampicillin

Mammalian Cell Puromycin

Selection:

Format:

Retroviral plasmids

Components: EXOC6 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID =

54536). 5µg purified plasmid DNA per construct

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

RefSeq: NM 001013848, NM 001319194, NM 001319195, NM 001319200, NM 019053, NM 019053.1,

NM 019053.2, NM 019053.3, NM 019053.4, NM 019053.5, NM 001013848.1,

NM 001013848.2, NM 001013848.3, BC028395, BC028395.2, BC041403, BM148225,

BM979273, NM 019053.6

UniProt ID: Q8TAG9

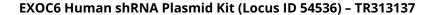
Summary: The protein encoded by this gene is highly similar to the Saccharomyces cerevisiae SEC15

gene product, which is essential for vesicular traffic from the Golgi apparatus to the cell surface in yeast. It is one of the components of a multiprotein complex required for exocytosis. The 5' portion of this gene and two neighboring cytochrome p450 genes are included in a deletion that results in an autosomal-dominant form of nonsyndromic optic nerve aplasia (ONA). Alternative splicing and the use of alternative promoters results in multiple transcript variants. A paralogous gene encoding a similar protein is present on

chromosome 2. [provided by RefSeq, Jan 2016]

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).