

Product datasheet for TR313932

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

CHMP4A Human shRNA Plasmid Kit (Locus ID 29082)

Product data:

Product Type: shRNA Plasmids

Product Name: CHMP4A Human shRNA Plasmid Kit (Locus ID 29082)

Locus ID: 29082

Synonyms: C14orf123; CHMP4; CHMP4B; HSPC134; SHAX2; SNF7; SNF7-1; VPS32-1; VPS32A

Vector: pRS (TR20003)

E. coli Selection: Ampicillin

Mammalian Cell Puromycin

Selection: Format:

Retroviral plasmids

Components: CHMP4A - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID =

29082). 5µg purified plasmid DNA per construct

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

RefSeq: <u>NM 014169</u>, <u>NM 014169.1</u>, <u>NM 014169.2</u>, <u>NM 014169.3</u>, <u>BC113533</u>, <u>BC010893</u>, <u>BC107699</u>,

BC113535, BC143834, BM041056

UniProt ID: Q9BY43

Summary: CHMP4A belongs to the chromatin-modifying protein/charged multivesicular body protein

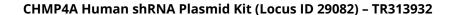
(CHMP) family. These proteins are components of ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and formation of endocytic multivesicular bodies (MVBs). Some CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP, CHMP1A (MIM 164010), is required for both MVB formation and regulation of cell cycle progression (Tsang et al., 2006 [PubMed

16730941]).[supplied by OMIM, Mar 2008]

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).