

Product datasheet for TR321334

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

VSTM5 Human shRNA Plasmid Kit (Locus ID 387804)

Product data:

Product Type: shRNA Plasmids

Product Name: VSTM5 Human shRNA Plasmid Kit (Locus ID 387804)

Locus ID: 387804 **Synonyms:** C11orf90

Vector: pRS (TR20003)

E. coli Selection: Ampicillin

Mammalian Cell Puromycin

Selection:

Format:

Retroviral plasmids

Components: VSTM5 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID =

387804). 5µg purified plasmid DNA per construct

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

RefSeq: NM 001144871, NM 001144871.1, NM 001144871.2

UniProt ID: A8MXK1

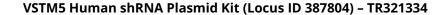
Summary: Cell adhesion-like membrane protein of the central nervous system (CNS) which modulates

both the position and complexity of central neurons by altering their membrane morphology and dynamics. Involved in the formation of neuronal dendrites and protrusions including dendritic filopodia. In synaptogenesis, regulates synapse formation by altering dendritic spine morphology and actin distribution. Promotes formation of unstable neuronal spines such as thin and branched types. Regulates neuronal morphogenesis and migration during cortical

development in the brain.[UniProtKB/Swiss-Prot Function]

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).