

Product datasheet for TL305675

OriGene Technologies, Inc.

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CACNG7 Human shRNA Plasmid Kit (Locus ID 59284)

Product data:

Product Type: shRNA Plasmids

Product Name: CACNG7 Human shRNA Plasmid Kit (Locus ID 59284)

Locus ID: 59284

Vector: pGFP-C-shLenti (TR30023)

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

Mammalian Cell Puromycin

Selection: Format:

Lentiviral plasmids

CACNG7 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID =

59284). 5µg purified plasmid DNA per construct

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

RefSeq: NM 031896, NM 031896.1, NM 031896.2, NM 031896.3, NM 031896.4, BC069332, BC093869,

BC113503

UniProt ID: P62955

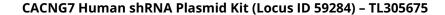
Summary: The protein encoded by this gene is a type II transmembrane AMPA receptor regulatory

protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type I TARP and a

calcium channel gamma subunit. [provided by RefSeq, Dec 2010]

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 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).