

Product datasheet for TL307687

OriGene Technologies, Inc.

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CMYA5 Human shRNA Plasmid Kit (Locus ID 202333)

Product data:

Product Type: shRNA Plasmids

Product Name: CMYA5 Human shRNA Plasmid Kit (Locus ID 202333)

Locus ID: 202333

Synonyms: C5orf10; SPRYD2; TRIM76 Vector: pGFP-C-shLenti (TR30023)

Chloramphenicol (34 ug/ml) Mammalian Cell Puromycin

Selection:

E. coli Selection:

Format: Lentiviral plasmids

Components: CMYA5 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID =

202333). 5µg purified plasmid DNA per construct

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

BC020856, BC022430, NM 153610, NM 153610.1, NM 153610.2, NM 153610.3, NM 153610.4, RefSeq:

BC020856.1, BC022422, BC029434, BC046215, BC062664, BC063134, BC111529, BC111530,

NM 153610.5

UniProt ID: Q8N3K9

Summary: May serve as an anchoring protein that mediates the subcellular compartmentation of

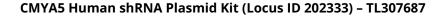
> protein kinase A (PKA) via binding to PRKAR2A (By similarity). May function as a repressor of calcineurin-mediated transcriptional activity. May attenuate calcineurin ability to induce slowfiber gene program in muscle and may negatively modulate skeletal muscle regeneration (By similarity). Plays a role in the assembly of ryanodine receptor (RYR2) clusters in striated

muscle (By similarity).[UniProtKB/Swiss-Prot Function]

These shRNA constructs were designed against multiple splice variants at this gene locus. To shRNA Design:

> be certain that your variant of interest is targeted, please contact techsupport@origene.com. 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).