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

Product datasheet for TL313843

Clathrin light chain (CLTA) Human shRNA Plasmid Kit (Locus ID 1211)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Clathrin light chain (CLTA) Human shRNA Plasmid Kit (Locus ID 1211)
Locus ID:	1211
Synonyms:	LCA
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	CLTA - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 1211). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001076677, NM_001184760, NM_001184761, NM_001184762, NM_001311203, NM_001311204, NM_001311205, NM_001311206, NM_001833, NM_007096, NR_132349, NM_001833.1, NM_001833.2, NM_001833.3, NM_007096.1, NM_007096.2, NM_007096.3, NM_001076677.1, NM_001076677.2, NM_001184762.1, NM_001184761.1, NM_001184760.1, BC009201, BC009201.2, BC019287, BM423666, NM_001184761.2, NM_001184760.2, NM_007096.4, NM_001076677.3, NM_001833.4
UniProt ID:	P09496
Summary:	Clathrin is a large, soluble protein composed of heavy and light chains. It functions as the main structural component of the lattice-type cytoplasmic face of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. This gene encodes one of two clathrin light chain proteins which are believed to function as regulatory elements. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 8 and 12. [provided by RefSeq, May 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 techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

View online »

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).