

Product datasheet for **TR313234**

ELAVL2 Human shRNA Plasmid Kit (Locus ID 1993)

Product data:

Product Type:	shRNA Plasmids
Product Name:	ELAVL2 Human shRNA Plasmid Kit (Locus ID 1993)
Locus ID:	1993
Synonyms:	HEL-N1; HELN1; HUB
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	ELAVL2 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 1993). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001171195 , NM_001171197 , NM_004432 , NM_001351455 , NM_001351456 , NM_001351457 , NM_001351458 , NM_001351459 , NM_001351460 , NM_001351461 , NM_001351462 , NM_001351463 , NM_001351464 , NM_001351465 , NM_001351466 , NM_001351467 , NM_001351468 , NM_001351469 , NM_001351470 , NM_001351471 , NM_001351472 , NM_001351473 , NM_001351474 , NM_001351475 , NM_001351476 , NM_001351477 , NM_001351478 , NM_004432.1 , NM_004432.2 , NM_004432.3 , NM_001171195.1 , NM_001171197.1 , BC030692 , BC035004 , BC042393 , NM_001171197.2 , NM_001171195.2
UniProt ID:	Q12926
Summary:	In humans, the ELAV like RNA binding protein gene family has four members (ELAVL1-4). ELAVL RNA binding proteins recognize AU-rich elements in the 3' UTRs of gene transcripts and thereby regulate gene expression post-transcriptionally. The protein encoded by this gene binds to several 3' UTRs, including its own and also that of FOS, ID, and POU5F1. This gene encodes ELAVL2 and, like ELAVL3 and ELAVL4, is expressed specifically in neurons and primarily localizes to the cytoplasm. This protein also forms a cytosolic complex with the normally nuclear-localized ELAVL1 protein. Alternative splicing of this gene results in multiple transcript variants encoding distinct protein isoforms. [provided by RefSeq, Jul 2020]



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- 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](#).
- 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).