

Product datasheet for **TR320085**

ATP6V0E2 Human shRNA Plasmid Kit (Locus ID 155066)

Product data:

Product Type:	shRNA Plasmids
Product Name:	ATP6V0E2 Human shRNA Plasmid Kit (Locus ID 155066)
Locus ID:	155066
Synonyms:	ATP6V0E2L; C7orf32
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	ATP6V0E2 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 155066). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001100592 , NM_001289990 , NM_145230 , NR_110612 , NM_145230.1 , NM_145230.2 , NM_145230.3 , NM_001100592.2 , NM_001289990.1 , BC015899 , NM_001367788 , NM_001367789 , NM_001367791 , NM_001367792 , NM_001367793 , NM_001367794 , NM_001367796 , NM_001367797 , NM_001367795
UniProt ID:	Q8NHE4
Summary:	Multisubunit vacuolar-type proton pumps, or H(+)-ATPases, acidify various intracellular compartments, such as vacuoles, clathrin-coated and synaptic vesicles, endosomes, lysosomes, and chromaffin granules. H(+)-ATPases are also found in plasma membranes of specialized cells, where they play roles in urinary acidification, bone resorption, and sperm maturation. Multiple subunits form H(+)-ATPases, with proteins of the V1 class hydrolyzing ATP for energy to transport H ⁺ , and proteins of the V0 class forming an integral membrane domain through which H ⁺ is transported. ATP6V0E2 encodes an isoform of the H(+)-ATPase V0 e subunit, an essential proton pump component (Blake-Palmer et al., 2007 [PubMed 17350184]).[supplied by OMIM, Mar 2008]
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 .



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**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).