

Product datasheet for **TR318672**

CLLU1 Human shRNA Plasmid Kit (Locus ID 574028)

Product data:

Product Type:	shRNA Plasmids
Product Name:	CLLU1 Human shRNA Plasmid Kit (Locus ID 574028)
Locus ID:	574028
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	CLLU1 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 574028). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<u>NM_001025233</u> , <u>NR_027931</u> , <u>NR_027932</u> , <u>NR_027933</u> , <u>NM_001025233.1</u> , <u>NM_001025233.2</u> , <u>BC140252</u> , <u>BC146525</u>
Summary:	Expression of this gene has been shown to be upregulated in some individuals with chronic lymphocytic leukemia (CLL), and has been used for prognostic and diagnostic purposes. This gene was originally identified as a human-specific putative protein-coding gene due to the presence of a peptide (PAP00140670, HIIYSTFLSK) that could have supported translation at this locus. This peptide is not present in more recent builds of PeptideAtlas, and the presence of a protein product at this locus has not been independently verified. For this reason, this gene is being represented as non-coding. Sequence comparisons to other primates indicates that no other primate is predicted to contain an open reading frame. [provided by RefSeq, Feb 2017]
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).