

## Product datasheet for **TL316477**

### CBLB Human shRNA Plasmid Kit (Locus ID 868)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	CBLB Human shRNA Plasmid Kit (Locus ID 868)
Locus ID:	868
Synonyms:	Cbl-b; Nbla00127; RNF56
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	CBLB - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 868). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	<a href="#">NM_004351</a> , <a href="#">NM_170662</a> , <a href="#">NM_001321786</a> , <a href="#">NM_001321788</a> , <a href="#">NM_001321789</a> , <a href="#">NM_001321790</a> , <a href="#">NM_001321791</a> , <a href="#">NM_001321793</a> , <a href="#">NM_001321794</a> , <a href="#">NM_001321795</a> , <a href="#">NM_001321796</a> , <a href="#">NM_001321797</a> , <a href="#">NM_001321798</a> , <a href="#">NM_001321799</a> , <a href="#">NM_001321806</a> , <a href="#">NM_001321807</a> , <a href="#">NM_001321808</a> , <a href="#">NM_001321811</a> , <a href="#">NM_001321813</a> , <a href="#">NM_001321816</a> , <a href="#">NM_001321820</a> , <a href="#">NM_001321822</a> , <a href="#">NR_135806</a> , <a href="#">NR_135807</a> , <a href="#">NR_135808</a> , <a href="#">NR_135809</a> , <a href="#">NR_135810</a> , <a href="#">NR_135811</a> , <a href="#">NR_135812</a> , <a href="#">NM_170662.1</a> , <a href="#">NM_170662.2</a> , <a href="#">NM_170662.3</a> , <a href="#">NM_170662.4</a> , <a href="#">NM_004351.1</a> , <a href="#">BC032851</a> , <a href="#">BC065915</a>
UniProt ID:	<a href="#">Q13191</a>
Summary:	This gene encodes an E3 ubiquitin-protein ligase which promotes proteasome-mediated protein degradation by transferring ubiquitin from an E2 ubiquitin-conjugating enzyme to a substrate. The encoded protein is involved in the regulation of immune response by limiting T-cell receptor, B-cell receptor, and high affinity immunoglobulin epsilon receptor activation. Studies in mouse suggest that this gene is involved in antifungal host defense and that its inhibition leads to increased fungal killing. Manipulation of this gene may be beneficial in implementing immunotherapies for a variety of conditions, including cancer, autoimmune diseases, allergies, and infections. [provided by RefSeq, Sep 2017]



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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](mailto: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](mailto: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).