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 TL313677V

CTBP2 Human shRNA Lentiviral Particle (Locus ID 1488)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	CTBP2 Human shRNA Lentiviral Particle (Locus ID 1488)
Locus ID:	1488
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	CTBP2 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001083914, NM_001290214, NM_001290215, NM_001321012, NM_001321013, NM_001321014, NM_001329, NM_022802, NM_022802.1, NM_022802.2, NM_001083914.1, NM_001083914.2, NM_001329.1, NM_001329.2, NM_001329.3, NM_001290214.1, NM_001290214.2, NM_001290215.1, NM_001290215.2, BC002486, BC037900, BC047018, BC052276, BC072020, BM712328, BM800106, NM_001363508, NM_022802.3, NM_001290214.3, NM_001083914.3, NM_001290215.3, NM_001329.4
UniProt ID:	P56545
Summary:	This gene produces alternative transcripts encoding two distinct proteins. One protein is a transcriptional repressor, while the other isoform is a major component of specialized synapses known as synaptic ribbons. Both proteins contain a NAD+ binding domain similar to NAD+-dependent 2-hydroxyacid dehydrogenases. A portion of the 3' untranslated region was used to map this gene to chromosome 21q21.3; however, it was noted that similar loci elsewhere in the genome are likely. Blast analysis shows that this gene is present on chromosome 10. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]
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).