

Product datasheet for **TL305901**

C22orf25 (TANGO2) Human shRNA Plasmid Kit (Locus ID 128989)

Product data:

Product Type:	shRNA Plasmids
Product Name:	C22orf25 (TANGO2) Human shRNA Plasmid Kit (Locus ID 128989)
Locus ID:	128989
Synonyms:	C22orf25; MECRCN
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	TANGO2 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 128989). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001283106 , NM_001283116 , NM_001283129 , NM_001283148 , NM_001283154 , NM_001283179 , NM_001283186 , NM_001283199 , NM_001283215 , NM_001283235 , NM_001283248 , NM_001322141 , NM_001322142 , NM_001322143 , NM_001322144 , NM_001322145 , NM_001322146 , NM_001322147 , NM_001322148 , NM_001322149 , NM_001322150 , NM_001322153 , NM_001322155 , NM_001322160 , NM_001322163 , NM_001322166 , NM_001322167 , NM_001322169 , NM_001322171 , NM_001322172 , NM_001322173 , NM_001322174 , NM_001322175 , NM_152906 , NR_104274 , NR_104275 , NR_136206 , NR_136211 , NR_136212 , NM_152906.1 , NM_152906.2 , NM_152906.3 , NM_152906.4 , NM_152906.5 , NM_152906.6 , NM_001283248.1 , NM_001283248.2 , NM_001283235.1 , NM_001283235.2 , NM_001283215.1 , NM_001283215.2 , NM_001283199.1 , NM_001283199.2 , NM_001283179.1 , NM_001283179.2 , NM_001283186.1 , NM_001283186.2 , NM_001283148.1 , NM_001283148.2 , NM_001283154.1 , NM_001283154.2 , NM_001283106.1 , NM_001283106.2 , NM_001283116.1 , NM_001283116.2 , NM_001283129.1 , NM_001283129.2 , BC041339 , BC041339.1 , BM013784 , BM048105
UniProt ID:	Q6ICL3



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- Summary:** This gene belongs to the transport and Golgi organization family, whose members are predicted to play roles in secretory protein loading in the endoplasmic reticulum. Depletion of this gene in *Drosophila* S2 cells causes fusion of the Golgi with the ER. In mouse tissue culture cells, this protein co-localizes with a mitochondrially targeted mCherry protein and displays very low levels of co-localization with Golgi and peroxisomes. Allelic variants of this gene are associated with rhabdomyolysis, metabolic crises with encephalopathy, and cardiac arrhythmia. [provided by RefSeq, Apr 2016]
- 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).