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 SC334992

C22orf25 (TANGO2) (NM_001283116) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C22orf25 (TANGO2) (NM_001283116) Human Untagged Clone
Tag:	Tag Free
Symbol:	C22orf25
Synonyms:	C22orf25; MECRCN
Vector:	pCMV6 series
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001283116, the custom clone sequence may differ by one or more nucleotides

ATGTGCATCATCTTCTTTAAGTTTGATCCTCGCCCTGTTTCCAAAAACGCGTACAGGCTCATCTTGGCAG
CCAACAGGGATGAATTCTACAGCCGACCCTCCAAGTTAGCTGACTTCTGGGGGAACAACAACGAGATCCT
CAGTGGGCTGGACATGGAGGAAGGCAAGGAAGGAGGCACATGGCTGGGCATCAGCACACGTGGCAAGCTG
GCAGCACTCACCAACTACCTGCAGCCGCAGCTGGACTGGCAGGCCCGAGGGCGAGGTGAACTTGTCACCC
ACTTTCTGACCACTGACGTGGACAGCTTGTCCTACCTGAAGAAGGTCTCTATGGAGGGCCATCTGTACAA
TGGCTTCAACCTCATAGCAGCCGACCTGAGCACAGCAAAGGGAGACGTCATTTGCTACTATGGGAACCGA
GGGGAGCCTGATCCTATCGTTTTGACGCCAGGCACCTACGGGCTGAGCAACGCGCTGCTGGAGACTCCCT
GGAGGAAGCTGTGCTTTGGGAAGCAGCTCTTCCTGGAGGCTGTGGAACGGAGCCAGGCGCTGCCCAAGGA
TGTGCTCATCGCCAGCCTCCTGGATGTGCTCAACAATGAAGAGGCGCAGCTGCCAGACCCGGCCATCGAG
GACCAGGGTGGGGAGTACGTGCAGCCCATGCTGAGCAAGTACGCGGCTGTGTGCGTGCGCTGCCCTGGCT
ACGGCACCAGAACCAACACTATCATCCTGGTAGATGCGGACGGCCACGTGACCTTCACTGAGCGTAGCAT
GATGGACAAGGACCTCTCCCACTGGGAGACCAGAACCTATGAGTTCACACTGCAGAGCTAA

Restriction Sites:	SgfI-RsrII
ACCN:	NM_001283116
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_001283116.1, NP_001270045.1

RefSeq Size: 2217 bp

RefSeq ORF: 831 bp

Locus ID: 128989

UniProt ID: Q6ICL3

Cytogenetics: 22q11.21

Gene 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]