

## Product datasheet for **SC334991**

### **C22orf25 (TANGO2) (NM\_001283106) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	C22orf25 (TANGO2) (NM_001283106) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	TANGO2
<b>Synonyms:</b>	C22orf25; MECRCN
<b>Vector:</b>	<u>pCMV6 series</u>
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_001283106, the custom clone sequence may differ by one or more nucleotides

```
ATGTGCATCATCTTCTTTAAGTTTGATCCTCGCCCTGTTTCCAAAACGCGTACAGGCTCATCTTGGCAG
CCAACAGGGATGAATTCTACAGCCGACCCTCCAAGTTAGCTGACTTCTGGGGGAACAACAACGAGATCCT
CAGTGGGCTGGACATGGAGGAAGGCAAGGAAGGAGGCACATGGCTGGGCATCAGCACACGTGGCAAGCTG
GCAGCACTACCAACTACCTGCAGCCGAGCTGGACTGGCAGGCCGAGGGCGAGGTGAAGTTGTCACCC
ACTTTCTGACCACTGACGTGGACAGCTTGTCTACCTGAAGAAGTCTCTATGGAGGGCCATCTGTACAA
TGGCTTCAACCTCATAGCAGCCGACCTGAGCACAGCAAAGGGAGACGTCAATTTGCTACTATGGGAACCGA
GGGAGCCTGATCCTATCGTTTTGACGCCAGGCACCTACGGGCTGAGCAACGCGCTGCTGGAGACTCCCT
GGAGGAAGCTGTGCTTTGGGAAGCAGCTCTTCTGGAGGCTGTGGAACGGAGCCAGGCGCTGCCAAGGA
TGTGCTCATCGCCAGCCTCCTGGATGTGCTCAACAATGAAGAGGCGCAGCTGCCAGACCCGGCCATCGAG
GACCAGGGTGGGAGTACGTGCAGCCCATGCTGAGCAAGTACGCGGCTGTGTGCGTGCCTGCCCTGGCT
ACGGCACCAGAACCAACTATCATCTGGTAGATGCGGACGGCCACGTGACCTTCACTGAGCGTAGCAT
GATGGACAAGGACCTCTCCCACTGGGAGACCAGAACCTATGAGTTCACACTGCAGAGCTAA
```

<b>Restriction Sites:</b>	Sgfl-RsrII
<b>ACCN:</b>	NM_001283106
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).



[View online »](#)

**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\\_001283106.1](#), [NP\\_001270035.1](#)

**RefSeq Size:** 2463 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]