

## Product datasheet for **SC333555**

### **C22orf25 (TANGO2) (NM\_001283248) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C22orf25 (TANGO2) (NM_001283248) Human Untagged Clone
Tag:	Tag Free
Symbol:	TANGO2
Synonyms:	C22orf25; MECRCN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333555 representing NM_001283248. Blue=Insert sequence Red=Cloning site Green=Tag(s)

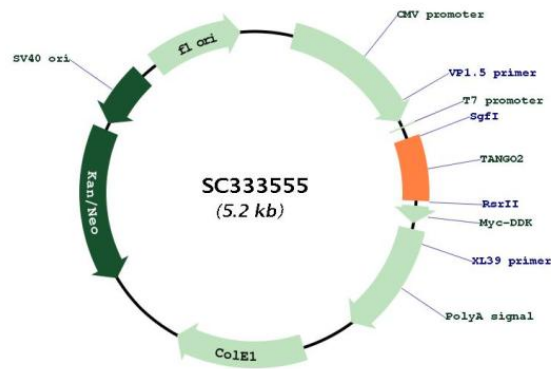
```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCATCATCTTCTTTAAGTTTGATCCTCGCCCTGTTTCCAAAAACGCGTACAGGCTCATCTTGGCA
GCCAACAGGGATGAATTCTACAGCCGACCTCCAAGTTAGCTGACTTCTGGGGGAACAACAACGAGATC
CTCAGTGGGCTGGACATGGAGGAAGGAAGGAAGGAGGCACATGGCTGGGCATCAGCACACGTGGCAAG
CTGGCAGCACTACCAACTACCTGCAGCCGAGCTGGACTGGCAGGCCCGAGGGCGAGGCAGCTGCCAG
ACCCGGCCATCGAGGACCAGGGTGGGGAGTACGTGCAGCCCATGCTGA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
```

Restriction Sites: Sgfl-RsrII



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## Plasmid Map:



**ACCN:** NM\_001283248

**Insert Size:** 324 bp

**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).

**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\\_001283248.2](#)

RefSeq Size: 3098 bp

RefSeq ORF: 324 bp

Locus ID: 128989

UniProt ID: [Q6ICL3](#)

Cytogenetics: 22q11.21

MW: 12 kDa

**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]