

Product datasheet for **RG236497**

C22orf25 (TANGO2) (NM_001283215) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C22orf25 (TANGO2) (NM_001283215) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TANGO2
Synonyms: C22orf25; MECRCN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236497 representing NM_001283215.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCCACCAAGCTGCTGTGTGCAGGAAGGTGTGTGGCCAGGACGGGGCTGCACAGGCCTGGCACTGC
CCTCCAGGACAGGGTCACTCAGTGTGGGATGCTGT CAGAATGCCTCTCGGGCGGGGACTCCAGTCAAT
GTACAAAGACGTGAAGACTCAGCCACAGAAGGCAGCCACAGGCTCATCTTGGCAGCCAACAGGGATGAA
TTCTACAGCCGACCTCCAAGTTAGCTGACTTCTGGGGGAACAACAACGAGATCCTCAGTGGGCTGGAC
ATGGAGGAAGGCAAGGAAGGAGGCACATGGCTGGGCATCAGCACAGTGGCAAGCTGGCAGCACTACC
AACTACCTGCAGCCGAGCTGGACTGGCAGGCCGAGGGCGAGGTGAAC TTGCACCCACTTTCTGACC
ACTGACGTGGACAGCTTGTCTACCTGAAGAAGTCTCTATGGAGGGCCATCTGTACAATGGCTTCAAC
CTCATAGCAGCCGACCTGAGCACAGCAAAGGGAGACGTCATTTGCTACTATGGGAACCGAGGGGAGCCT
GATCCTATCGTTTTGACGCCAGAACCAACTATCATCCTGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236497
Blue=ORF Red=Cloning site Green=Tag(s)

```
MPPKLLCAGRCVGDGAAQAWHCPPGQGHVWDAVRMPLGAGTPVNVQRREDSATEGSHRLILAANRDE
FYSRPSKLADFWGNNEILSGLDMEEGKEGGTWLGI STRGKLAAL TNYLQPQLDWQARGRGLVTHFLT
TDVDSL SYLKKVSMEGHLYNGFNLIAADLSTAKGDVICYYGNRGEPPDPIVLTPEPTLSSW
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERY
```

Restriction Sites: SgfI-MluI



RefSeq: [NM_001283215.2](#), [NP_001270144.1](#)

RefSeq Size: 2198 bp

RefSeq ORF: 597 bp

Locus ID: 128989

UniProt ID: [Q6ICL3](#)

Cytogenetics: 22q11.21

MW: 22.1 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]