

Product datasheet for **RG236308**

C22orf25 (TANGO2) (NM_001283235) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C22orf25 (TANGO2) (NM_001283235) 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: >RG236308 representing NM_001283235.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGGGCATCAGCACACGTGGCAAGCTGGCAGCACTACCAACTACCTGCAGCCGACGTGGACTG
GCAGGCCCGAGGGCGAGCACAGCAAAGGGAGACGTCAATTTGCTACTATGGGAACCGAGGGGAGCCTGAT
CCTATCGTTTTGACGCCAGGCACCTACGGGCTGAGCAACGCGCTGCTGGAGACTCCCTGGAGGAAGCTG
TGCTTTGGGAAGCAGCTCTTCTGGAGGCTGTGGAACGGAGCCAGGCGCTGCCAAGGATGTGCTCATC
GCCAGCCTCCTGGATGTGCTCAACAATGAAGAGGCGCAGCTGCCAGACCCGGCCATCGAGGACCAGGT
GGGGAGTACGTGCAGCCATGCTGAGCAAGTACGCGGCTGTGTGCGTGCCTGCCCTGGCTACGGCACC
AGAACCAACTATCATCCTGGTAGATGCGGACGCCACGTGACCTTCACTGAGCGTAGCATGATGGAC
AAGGACCTCTCCCACTGGGAGACCAGAACCTATGAGTTACACTGCAGAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236308
Blue=ORF Red=Cloning site Green=Tag(s)

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MAGHQHTWQAGSTHQLPAAAAGLAGPRASTAKGDVICYYGNRGEVDPIVLTPTGYGLSNALLETPWRKL
CFGKQLFLEAVERSQUALPKDVLIASLLDVLNNEEAQLPDAIEDQGGYYQPMLSKYAAVVCVRCPPGYT
RTNTIILVDADGHVTFTERSMDKDLSHWETRYEFTLQS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites: SgfI-MluI



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).
RefSeq:	NM_001283235.2 , NP_001270164.1
RefSeq Size:	2102 bp
RefSeq ORF:	537 bp
Locus ID:	128989
UniProt ID:	Q6ICL3
Cytogenetics:	22q11.21
MW:	19.9 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]