

## Product datasheet for **RG236435**

### TPD52L1 (NM\_001300994) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TPD52L1 (NM\_001300994) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TPD52L1  
**Synonyms:** D53; TPD53  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236435 representing NM\_001300994.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGCGCAGGCACAAGTTTGTGGAGACTGAACCGTTGCAAGGAACAGACGAAGATGCAGTAGCC
AGTGCTGACTTCTCTAGCATGCTCTCTGAGGAGGAAAAGGAAGAGTTAAAAGCAGAGTTAGTTTCAGCTA
GAAGACGAAATTACAACACTACGACAAGTTTGTGACGAAAGAAAGGCATCTAGTTGAGATAAAACAA
AAACTCGGCATGAACCTGATGAATGAATAAAACAGAACTTCAGCAAAAGCTGGCATGACATGCAGACT
ACCACTGCCTACAAGAAAACACATGAAACCTGAGTCACGCAGGGCAAAAGGCAACTGCAGCTTTCAGC
AACGTTGGAACGGCCATCAGCAAGAAGTTCGGAGACATGAGGAATTCCTACTTTCAAATCATTGAG
GAGAGGGTTGAGACAAGTGTACAAGCCTCAAGACGAAAGTAGGCGGTACGAACCTAATGGAGGCAGT
TTTGAGGAGGTCCTCAGCTCCACGGCCCATGCCAGTGCCAGAGCTTGGCAGGAGGCTCCCGCGGGACC
AAGGAGGAGGAGCTGCAGTGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236435  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MEAQAGLLETEPLQGTDEDAVASADFSMSEEEKEELKAELVQLEDEITTLRQVLSAKERHLVEIKQ
KLGMLNMLNMQNFSSKSWHDMQTTAYKKTHTLSHAGQKATAAFSNVGTAISSKFGDMRNSPTFKSFE
ERVETVTSCLKTKVGGTNPNGGSFEEVLSSAHASAQSLAGGSRRTKEEELQC
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**


**ACCN:** NM\_001300994

**ORF Size:** 573 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001300994.3](#)

**RefSeq Size:** 1353 bp

**RefSeq ORF:** 576 bp

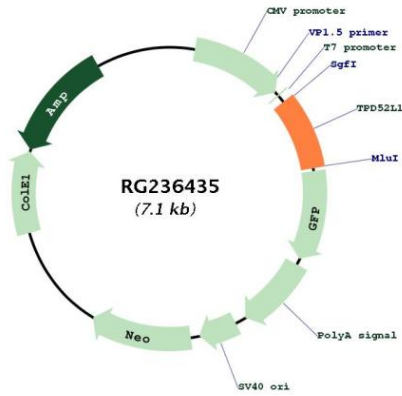
**Locus ID:** 7164

**Cytogenetics:** 6q22.31

**MW:** 21.4 kDa

**Gene Summary:** This gene encodes a member of a family of proteins that contain coiled-coil domains and may form hetero- or homomers. The encoded protein is involved in cell proliferation and calcium signaling. It also interacts with the mitogen-activated protein kinase kinase kinase 5 (MAP3K5/ASK1) and positively regulates MAP3K5-induced apoptosis. Multiple alternatively spliced transcript variants have been observed. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RG236435