

Product datasheet for **RG219315**

TPD52L1 (NM_001003395) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TPD52L1 (NM_001003395) 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: >RG219315 representing NM_001003395
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCTCTGAGGAGGAAAAGGAAGAGTTAAAAGCAGAGTTAGTTCAGCTAGAAGACGAAATTACAACAC
 TACGACAAGTTTTGTGAGCGAAAGAAAGGCATCTAGTTGAGATAAAAACAAAACCTCGGCATGAACCTGAT
 GAATGAATTAACAAGAACTTCAGCAAAAGCTGGCATGACATGCAGACTACCACTGCCTACAAGAAAACA
 CATGAAACCTGAGTCACGCAGGGCAAAGGCAACTGCAGCTTTCAGCAACGTTGGAACGGCCATCAGCA
 AGAAGTTCGGAGACATGAGTTACTCCATTCCGCTTCCATAAGTATGCCTGCTATGAGGAATTCTCCTAC
 TTTCAAATCATTTGAGGAGAGGGTTGAGACAAGTGCACAAGCCTCAAGACGAAAAGTAGGCGGTACGAAC
 CCTAATGGAGGCAGTTTTGAGGAGTCCCTCAGCTCCACGGCCATGCCAGTGCCAGAGCTTGGCAGGAG
 GCTCCCGGCGACCAAGGAGGAGGAGCTGCAGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219315 representing NM_001003395
 Red=Cloning site Green=Tags(s)

MLSEEEKEELKAEVLQLEDEITTLRQVLSAKERHLVEIKQKLGMLMNLKQNFSSKSWHDMQTTTAYKKT
 HETLSHAGQKATAAFSNVGTAISSKFKGDMSSYSIRHSISMPAMRNSPTFKSFEERVETTIVTSLKTKVGGTN
 PNGGSFEEVLSSTAHASAQSLAGGSRRTKEEELQC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

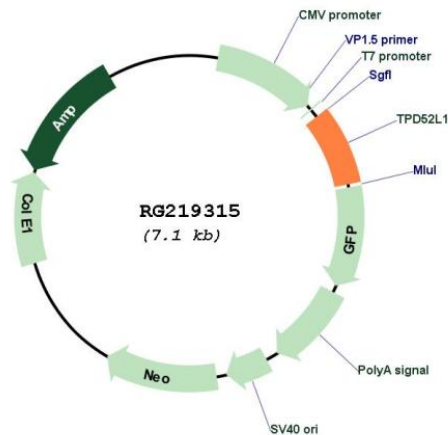


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001003395

ORF Size: 525 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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001003395.3</u>
RefSeq Size:	1409 bp
RefSeq ORF:	528 bp
Locus ID:	7164
UniProt ID:	<u>Q16890</u>
Cytogenetics:	6q22.31
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]