

## Product datasheet for **SC300494**

### TPD52L1 (NM\_001003395) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TPD52L1 (NM_001003395) Human Untagged Clone
Tag:	Tag Free
Symbol:	TPD52L1
Synonyms:	D53; TPD53
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001003395, the custom clone sequence may differ by one or more nucleotides ATGCTCTCTGAGGAGGAAAAGGAAGAGTTAAAAGCAGAGTTAGTTCAGCTAGAAGACGAA ATTACAACACTACGACAAGTTTTGTGTCAGCGAAAAGAAAGGCATCTAGTTGAGATAAAACAA AAACTCGGCATGAACCTGATGAATGAATTAACAGAACTTCAGCAAAAGCTGGCATGAC ATGCAGACTACCACTGCCTACAAGAAAACACATGAAACCCTGAGTCACGCAGGGCAAAG GCAACTGCAGCTTTCAGCAACGTTGGAACGGCCATCAGCAAGAAGTTCGGAGACATGAGT TACTCCATTCCGCTCCATAAGTATGCCTGCTATGAGGAATTCTCTACTTTCAATCA TTTGAGGAGAGGGTTGAGACAACGTGACAAGCCTCAAGACGAAAGTAGGCGGTACGAAC CCTAATGGAGGCAGTTTTGAGGAGGTCCTCAGCTCCACGCCCATGCCAGTGCCAGAGC TTGGCAGGAGGCTCCCGCGGACCAAGGAGGAGGAGCTGCAGTGCTAA
Restriction Sites:	Please inquire
ACCN:	NM_001003395
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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**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\\_001003395.1](#), [NP\\_001003395.1](#)

**RefSeq Size:** 1409 bp

**RefSeq ORF:** 528 bp

**Locus ID:** 7164

**UniProt ID:** [Q16890](#)

**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]  
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to isoform 1.