

## Product datasheet for RC201816

### TPD52L1 (NM\_001003396) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TPD52L1 (NM\_001003396) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TPD52L1  
**Synonyms:** D53; TPD53  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC201816 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGCGCAGGCACAAGGTTTGTGGAGACTGAACCGTTGCAAGGAACAGACGAAGATGCAGTAGCCA  
GTGCTGACTTCTCTAGCATGCTCTCTGAGGAGGAAAAGGAAGAGTTAAAAGCAGAGTTAGTTCAGCTAGA  
AGACGAAATTACAACACTACGACAAGTTTTGTGAGCGAAAAGGCATCTAGTTGAGATAAAACAAAA  
CTCGGCATGAACCTGATGAATGAATTAACAGAACTTCAGCAAAAGCTGGCATGACATGCAGACTACCA  
CTGCCTACAAGAAAACACATGAAACCCTGAGTCACGCAGGGCAAAGGCAACTGCAGCTTCAGCAACGT  
TGGAACGGCCATCAGCAAGAAGTTCGGAGACATGATTACTCCATTGCCATTCCATAAGTATGCCTGCT  
ATGAGACGAAAG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC201816 protein sequence  
Red=Cloning site Green=Tags(s)

MEAQAGLLETEPLQGTDEDAVASADFSMSEEEKEELKAELVLEDEITTLRQVLSAKERHLVEIKQK  
LGMNLMNELKQNFSSKSWHDMQTTTAYKKTHTLSHAGQKATAAFSNVGTAISSKFGDMSYSIRHSISMPA  
MRRK

**SGP**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

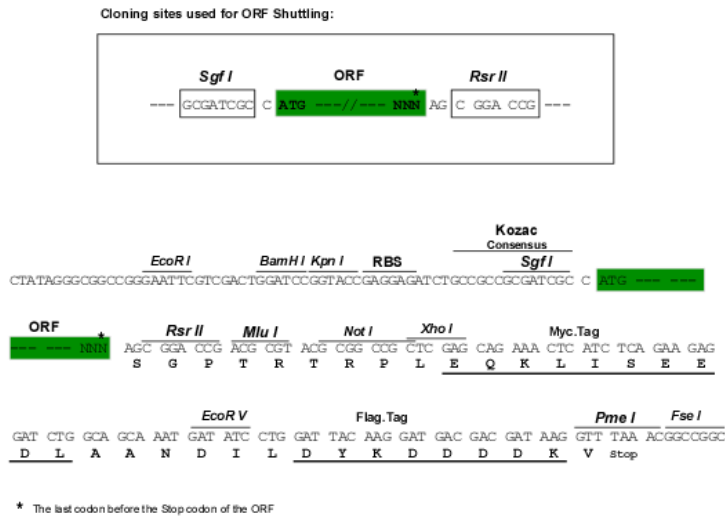
**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6801\\_e11.zip](https://cdn.origene.com/chromatograms/mk6801_e11.zip)



[View online >](#)

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM\_001003396

ORF Size: 432 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:

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\\_001003396.3](#)

RefSeq Size: 1327 bp

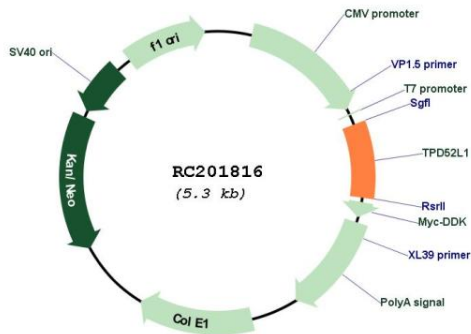
RefSeq ORF: 435 bp

Locus ID: 7164

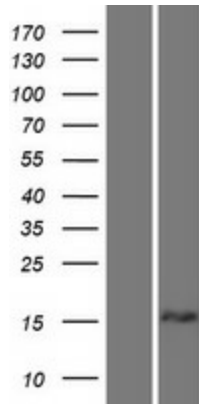
UniProt ID: [Q16890](#)  
 Cytogenetics: 6q22.31  
 MW: 16.2 kDa

**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]

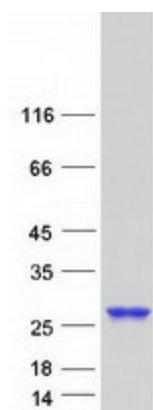
**Product images:**



Circular map for RC201816



Western blot validation of overexpression lysate (Cat# [LY424123]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201816 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TPD52L1 protein (Cat# [TP301816]). The protein was produced from HEK293T cells transfected with TPD52L1 cDNA clone (Cat# RC201816) using MegaTran 2.0 (Cat# [TT210002]).