

Product datasheet for **RC236435**

TPD52L1 (NM_001300994) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TPD52L1 (NM_001300994) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TPD52L1
Synonyms: D53; TPD53
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236435 representing NM_001300994
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGCGCAGGCACAAGGTTTGTGGAGACTGAACCGTTGCAAGGAACAGACGAAGATGCAGTAGCCA
GTGCTGACTTCTAGCATGCTCTCTGAGGAGGAAAAGGAAGAGTTAAAAGCAGAGTTAGTTCAGCTAGA
AGACGAAATTACAACACTACGACAAGTTTTGTGACGCGAAAAGGCATCTAGTTGAGATAAAACAAAA
CTCGGCATGAACCTGATGAATGAATTAACAGAACTTCAGAAAAGCTGGCATGACATGCAGACTACCA
CTGCCTACAAGAAAACACATGAAACCCTGAGTCACGCAGGGCAAAAGGCAACTGCAGCTTTCAGCAACGT
TGAACGGCCATCAGCAAGAAGTTCGGAGACATGAGGAATTCTCCTACTTTCAAATCATTGAGGAGAGG
GTTGAGACAAGTGTACAAGCCTCAAGACGAAAGTAGGCGGTACGAACCCTAATGGAGGCAGTTTTGAGG
AGGTCCTCAGCTCCACGGCCATGCCAGTGCCAGAGCTTGGCAGGAGGCTCCCGGCGGACCAAGGAGGA
GGAGCTGCAGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236435 representing NM_001300994
Red=Cloning site Green=Tags(s)

MEAQAQGLLETEPLQGTDEDASADFSSMLSEEEKEELKAELVQLEDEITTLRQVLSAKERHLVEIKQK
LGMNLMNELKQNFKSWHDMQTTTAYKKTHTLSHAGQKATAAFSNVGTAIKKFGDMRNSPTFKSFEER
VETTVTSLKTKVGGTNPNGGSFEEVLSSTAHASAQSLAGGSRRTKEEELQC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

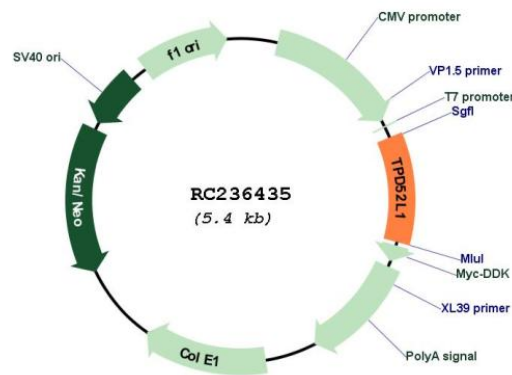


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Cloning Scheme:



Plasmid Map:



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).

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_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]