

## Product datasheet for **SC124319**

### TPD52L1 (NM\_001003396) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TPD52L1 (NM_001003396) Human Untagged Clone
Tag:	Tag Free
Symbol:	TPD52L1
Synonyms:	D53; TPD53
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001003396, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCGCAGGCACAAGGTTTGTGGAGACTGAACCGTTGCAAGGAACAGACGAAGATGCAGTAGCCA  
GTGCTGACTTCTCTAGCATGCTCTCTGAGGAGGAAAAGGAAGAGTTAAAAGCAGAGTTAGTTCAGCTAGA  
AGACGAAATTACAACACTACGACAAGTTTTGTCAGCGAAAGAAAGGCATCTAGTTGAGATAAAACAAAA  
CTCGGCATGAACCTGATGAATGAATTAACAGAACTTCAGCAAAAGCTGGCATGACATGCAGACTACCA  
CTGCCTACAAGAAAACACATGAAACCTGAGTCACGCAGGGCAAAGGCAACTGCAGCTTTCAGCAACGT  
TGGAACGGCCATCAGCAAGAAGTTCGGAGACATGAGTTACTCCATTGCCATTCCATAAGTATGCCTGCT  
ATGAGACGAAAGTAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_001003396 unedited GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAGGTGGACTGGAAGGGG CGGAGGTAACCAGAAGCGGCTAGTGGCGGCTGCCTGCGTCCCCAACCCCTCCGCGCAGC GCTCGCGACACCGGTGCCAGGAGTGGGAGCGAGCGGGGCCAGCTGCGTTCTGAGCCT GGGCGCAGCTGCCATCTGCTCTGGGAAGCACCAGGTGTCCCCGCCCTCAGCTCGAA GTCAGCCACCATGGAGGCGCAGGCACAAGTTTGTGGAGACTGAACCGTTGCAAGGAAC AGACGAAGATGCAGTAGCCAGTGCTGACTTCTCTAGCATGCTCTCTGAGGAGGAAAAGGA AGAGTTAAAAGCAGAGTTAGTTCAGCTAGAAGACGAAATTACAACACTACGACAAGTTTT GTCAGCGAAAAGAAAGGCATCTAGTTGAGATAAAAACAAAACTCGGCATGAACCTGATGAA TGAATTAACAGAACTTCAGCAAAAGCTGGCATGACATGCAGACTACCACTGCCTACAA GAAAACACATGAAACCTGAGTCACGCAGGGCAAAGGCAACTGCAGCTTTCAGCAACGT TGAACCGCCATCAGCAAGAAGTTCGGAGACATGAGGTCTCACTCCATCGGTTACTCCAT TCGCCATTCCATAAGTATGCCTGCTATGAGGAATTCTCCTACTTTCAAATCATTTGAGGA GAGGGTTGAGACAACTGTCACAAGCCTCAAGAGAAAGTANGCGGTACGAACCTAATGGA GCAGTTTTGAGGAGGTCTCAGCTCACGGCCATGCCATGCCAAAAGCTGGCAGAGGCTCGG CGACCAAGAGAGAGCTGATGCTAGTCANCAAGGTGCACTGATCAGAACGGCATACCANCAC TTTGCTTGCTATCGAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001003396
<b>Insert Size:</b>	4000 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001003396.1</a> , <a href="#">NP_001003396.1</a>
<b>RefSeq Size:</b>	1327 bp
<b>RefSeq ORF:</b>	435 bp
<b>Locus ID:</b>	7164
<b>UniProt ID:</b>	<a href="#">Q16890</a>
<b>Cytogenetics:</b>	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 (3) lacks an exon in the 3' coding region, which results in a frameshift, compared to variant 1. The resulting isoform (3) has a distinct and shorter C-terminus, as compared to isoform 1.