

## Product datasheet for **RC236331**

### TPD52L2 (NM\_001243891) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TPD52L2 (NM\_001243891) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TPD52L2  
**Synonyms:** D54; TPD54  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236331 representing NM\_001243891  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

**ATGGACTCGCCGCCAAGATATCAACCTGAATCTCCTAACAAAGGTCTGCTGTCTGACTCCATGACGG  
ATGTTCTGTGACACAGGTGTGAAGAGGAAATTGCACTCTGCGCCAGGTCTGGCAGCAAGGAGAG  
GCACTGTGGAGAGCTCAAGAGGAGGCTGGGCCTCTCCACCCTGGGGGAGCTGAAACAGAACCTGTCCAGG  
AGCTGGCATGACGTGCAGGTCTTAGCGCCTATGTGAAAACCTTCTGAGAACTTGAGAGTGAATGAGA  
AAGTGACCCAGTCAGACCTCTACAAGAAGACTCAGGAACTCTTTCACAGGCAGGACAGAAGACTTCAGC  
TGCCCTGTCCACAGTGGGCTCTGCCATCAGCAGGAAGCTTGGAGACATGAGGAACTCTGCGACCTCAAG  
TCGTTTGGAGACCGAGTTGGGACCATAAAGTCTAAGGTTGTGGGTGACAGAGAGAACGGCAGTGACAACC  
TCCCTTCTCAGCGGGGAGTGGTGACAAGCCCTGTCCGATCCCGCACCTTTC**

**ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:** >RC236331 representing NM\_001243891  
Red=Cloning site Green=Tags(s)

MDSAGQDINLNSPNKGLLSDSMTDVPVDTGVEEEIVTLRQVLAAKERHCGELKRRLGLSTLGELKQNLRS  
SWHDVQVSSAYVKTSEKLGWNEKVTQSDLYKKTQETLSQAGQKTSAAALSTVGSATSRKLGDMRNSATFK  
SFEDRVGTIKSKVVGDRENGSDNLPSSAGSGDKPLSDPAPF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

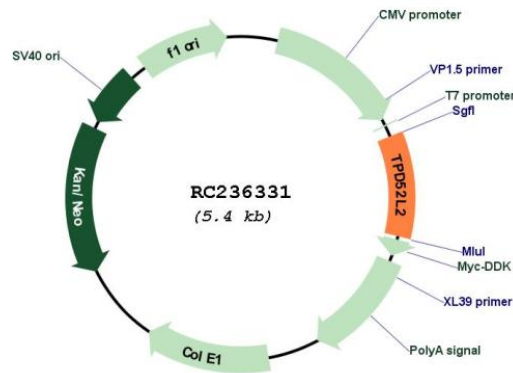
**Restriction Sites:** SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_001243891

ORF Size: 543 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.

<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>	<u><a href="#">NM_001243891.2</a></u>
<b>RefSeq Size:</b>	2284 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	7165
<b>Cytogenetics:</b>	20q13.33
<b>MW:</b>	20 kDa
<b>Gene Summary:</b>	This gene encodes a member of the tumor protein D52-like family. These proteins are characterized by an N-terminal coiled-coil motif that is used to form homo- and heteromeric complexes with other tumor protein D52-like proteins. Expression of this gene may be a marker for breast cancer and acute lymphoblastic leukemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 12. [provided by RefSeq, Aug 2011]