

## Product datasheet for **RG219298**

### TPD52L2 (NM\_199362) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TPD52L2 (NM_199362) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TPD52L2
Synonyms:	D54; TPD54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219298 representing NM_199362 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTCCGCCGCCAAGATATCAACCTGAATTCTCCTAACAAAGGTCTGCTGTCTGACTCCATGACGG  
ATGTTCCCTGTCGACACAGGTGTGGCTGCCCGACTCCTGCTGTTGAGGGTCTGACAGAGGCTGAGGAGGA  
GGAGCTCAGGGCTGAGCTTACCAAGGTGGAAGAGGAAATTGCACTCTGCGCCAGGCTCTGCCAGCCAAG  
GAGAGGCACTGTGGAGAGCTCAAGAGGAGGCTGGGCCTCTCCACCCTGGGGGAGCTGAAACAGAACCTGT  
CCAGGAGCTGGCATGACGTGCAGTCTCTAGCGCCTATGTGAAAATTCTGAGAACTTGGAGAGTGGAA  
TGAGAAAGTGACCCAGTCAGACCTCTACAAGAAGACTCAGGAAACTCTTTCACAGGCAGGACAGAAGACT  
TCAGCTGCCCTGTCCACAGTGGGCTCTGCCATCAGCAGGAAGCTTGGAGACATGAGCAGCTACTCCATCC  
GCCACTCAATAAGTATGCCAGCCATGAGGAACTCTGCGACCTTCAAGTCGTTTGAGGACCGAGTTGGGAC  
CATAAAGTCTAAGGTTGTGGGTGACAGAGAGAACGGCAGTGACAACCTCCCTTCTCAGCGGGGAGTGGT  
GACAAGCCCCTGTCGGATCCCGCACCTTC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG219298 representing NM\_199362  
Red=Cloning site Green=Tags(s)

MDSAGQDINLNSPNKGLLSDSMTDVPVDTGVAARTPAVEGLTEAEEEEELRAELTKVEEEIVTLRQVLAAK  
 ERHCGELKRRLGLSTLGELKQNLRSRSHDVQVSSAYVKTSEKLGEWNEKVTQSDLYKKTQETLSQAGQKT  
 SAALSTVGS AISRKLGDMSYSIRHSISMPAMRNSATFKSFEDRVGTIKSKVVG DRENGSDNLPSSAGSG  
 DKPLSDPAPF

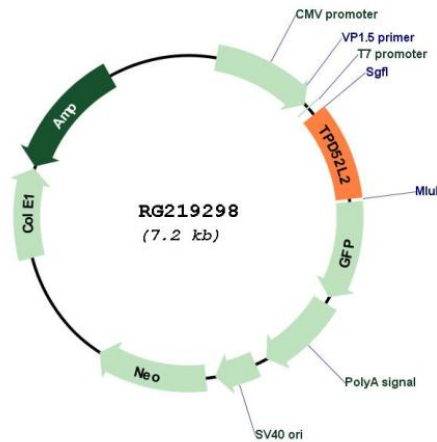
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_199362

**ORF Size:** 660 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_199362.3</a>
<b>RefSeq Size:</b>	2401 bp
<b>RefSeq ORF:</b>	663 bp
<b>Locus ID:</b>	7165
<b>UniProt ID:</b>	<a href="#">O43399</a>
<b>Cytogenetics:</b>	20q13.33
<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]