

## Product datasheet for **RG221739**

### TPD52 (NM\_001025252) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TPD52 (NM_001025252) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TPD52
Synonyms:	D52; hD52; N8L; PC-1; PrLZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221739 representing NM_001025252 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATTGTAGAGAGATGGACTTATATGAGGACTACCAGTCCCCGTTTGATTTTGATGCAGGAGTGAACA  
AAAGCTATCTCTACTTGTCTCCTAGTGGAAATTCATCTCCACCCGGATCACCTACTCTTCAGAAATTTGG  
TCTGCTGAGAACAGACCCAGTCCCTGAGGAAGGAGAAGATGTTGCTGCCACGATCAGTGCCACAGAGACC  
CTCTCGGAAGAGGAGCAGGAAGAGCTAAGAAGAGAAGTGCAGAAAGGTAGAAGAAGAAATCCAGACTCTGT  
CTCAAGTGTAGCAGAAAAGAGAAGCATCTAGCAGAGATCAAGCGGAACTTGGAAATCAATTCTCTACA  
GGAACAAAACAGAACATTGCCAAAGGGTGGCAAGACGTGACAGCAACATCTGCTTACAAGAAGACATCT  
GAAACCTTATCCCAGGCTGGACAGAAGGCCTCAGCTGCTTTTTCGTCTGTTGGCTCAGTCATCACAAAA  
AGCTGGAAGATGTAAAAAATCCCAACTTTTAAATCATTTGAAGAAAAGGTCGAAAACCTTAAAGTCTAA  
AGTAGGGGAACCAAGCCTGCTGGTGGTATTTGGAGAAGTCTTGAATTCGGCTGCAAAATGCTAGTGCC  
ACCACCACGGAGCCTCTCCAGAAAAGACACAGGAGAGCCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG221739 representing NM\_001025252  
 Red=Cloning site Green=Tags(s)

MDCREMDLYEDYQSPFDAGVKNKSYLYLSPSGNSSPPGSPTLQKFGLLRTPVPEEGEDVAATISATET  
 LSEEEQEELRRELAKVEEEIQTLQVLAKEKHLAEIKRKLGINSLQELKQNIAGWQDVTATSAYKKT  
 ETLQAGQKASAAAFSSVGSVITKKLEDVKNSTFKSFEEKVENLKSIVGGTKPAGGDFGEVLNSAANASA  
 TTTEPLPEKTQESL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001025252

**ORF Size:** 672 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\\_001025252.3](#)

**RefSeq Size:** 4250 bp

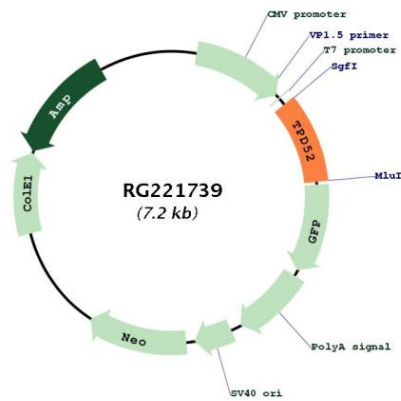
**RefSeq ORF:** 675 bp

**Locus ID:** 7163

**UniProt ID:** [P55327](#)

**Cytogenetics:** 8q21.13

**Product images:**



Circular map for RG221739