

Product datasheet for RC201956

TPD52 (NM_005079) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TPD52 (NM_005079) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TPD52
Synonyms: D52; hD52; N8L; PC-1; PrLZ
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201956 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACCGCGCGAGCAAGGTCTGCTGAGAACAGACCCAGTCCCTGAGGAAGGAGAAGATGTTGCTGCCA
CGATCAGTGCCACAGAGACCTCTCGGAAGAGGAGCAGGAAGAGCTAAGAAGAGAAGTTCGAAAGGTAGA
AGAAGAAATCCAGACTCTGTCTCAAGTGTAGCAGCAAAAGAGAAGCATCTAGCAGAGATCAAGCGGAAA
CTTGGAATCAATTCTCTACAGGAACTAAAACAGAACATTGCCAAAGGGTGCAAGACGTGACAGCAACAT
CTGCTTACAAGAAGACATCTGAAACCTTATCCCAGGCTGGACAGAAGGCCTCAGCTGCTTTTTCGTCTGT
TGGCTCAGTCATCACAAAAGCTGGAAGATGTAAAAAATCCCAACTTTTAAATCATTGGAAGAAAAG
GTCGAAAACCTTAAAGTCTAAAGTAGGGGAACCAAGCCTGCTGGTGGTGATTTGGAGAAGTCTTGAATT
CGGCTGCAATGCTAGTGCCACCACCACGGAGCCTCTCCAGAAAAGACACAGGAGAGCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC201956 protein sequence
Red=Cloning site Green=Tags(s)

MDRGEQGLLRDTPVPEGEDVAATISATETLSEEEQEELRRELAKVEEEIQTLSQVLAAKEKHLAEIKRK
LGINSLQELKQNIAGWQDVTATSAYKKTSETLSQAGQKASAAFSSVGSVITKKLEDVKNSTPKSFEEL
VENLKSQVGGTKPAGGDFGEVLNSAANASATTEPLPEKTQESL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6310_g07.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005079

ORF Size: 552 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

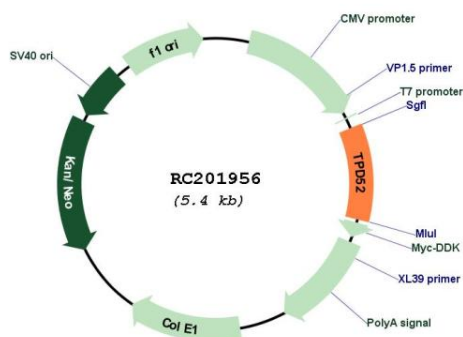
RefSeq: [NM_005079.4](#)

RefSeq Size: 4031 bp

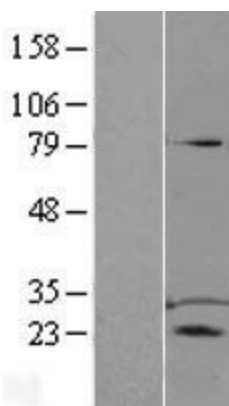
RefSeq ORF: 555 bp

Locus ID: 7163
 UniProt ID: [P55327](#)
 Cytogenetics: 8q21.13
 Domains: TPD52
 MW: 19.9 kDa

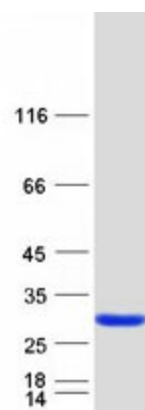
Product images:



Circular map for RC201956



Western blot validation of overexpression lysate (Cat# [LY417563]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201956 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TPD52 protein (Cat# [TP301956]). The protein was produced from HEK293T cells transfected with TPD52 cDNA clone (Cat# RC201956) using MegaTran 2.0 (Cat# [TT210002]).