

Product datasheet for RC212906

TPD52L2 (NM_199361) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TPD52L2 (NM_199361) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TPD52L2
Synonyms: D54; TPD54
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC212906 representing NM_199361
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTCCGCCGCCAAGATATCAACCTGAATTCTCCTAACAAAGGTCTGCTGTCTGACTCCATGACGG
ATGTTCTGTGACACAGGTGTGGCTGCCCGACTCCTGCTGTTGAGGGTCTGACAGAGGCTGAGGAGGA
GGAGCTCAGGGCTGAGCTTACCAAGGTGGAAGAGGAAATTGTCCTCTGCGCCAGGTCTGGCAGCCAAG
GAGAGGCACTGTGGAGAGCTCAAGAGGAGGCTGGGCTCTCCACCCTGGGGGAGCTGAAACAGAACCTGT
CCAGGAGCTGGCATGACGTGCAGGTCTCTAGCGCCTACAAGAAGACTCAGGAACTCTTTCACAGGCAGG
ACAGAAGACTTCAGCTGCCCTGTCCACAGTGGGCTCTGCCATCAGCAGGAAGCTTGAGACATGAGGGCT
CATCCATTTTCACACTCCTTTAGCAGCTACTCCATCCGCACTCAATAAGTATGCCAGCCATGAGGAACT
CTGCGACCTTCAAGTCGTTTGGAGACCGAGTTGGGACCATAAAGTCTAAGGTTGTGGGTGACAGAGAGAA
CGGCAGTGACAACCTCCCTTCTCAGCGGGGAGTGGTGACAAGCCCTGTGGATCCCGCACCTTTC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212906 representing NM_199361
Red=Cloning site Green=Tags(s)

MDSAGQDINLNSPNKGLLSDSMTDVPVDTGVAARTPAVEGLTEAEEEEELRAELTKVEEIVTLRQVLA
ERHCGELKRRLGLSTLGLKQNLRSRSHDVQVSSAYKKTQETLSQAGQKTSALSTVGSASRKLGMRA
HPFSHSFSSYSIRHSISMPAMRNSATFKSFEDRVGTIKSKVVGDRENGSDNLPSSAGSGDKPLSDPAPF

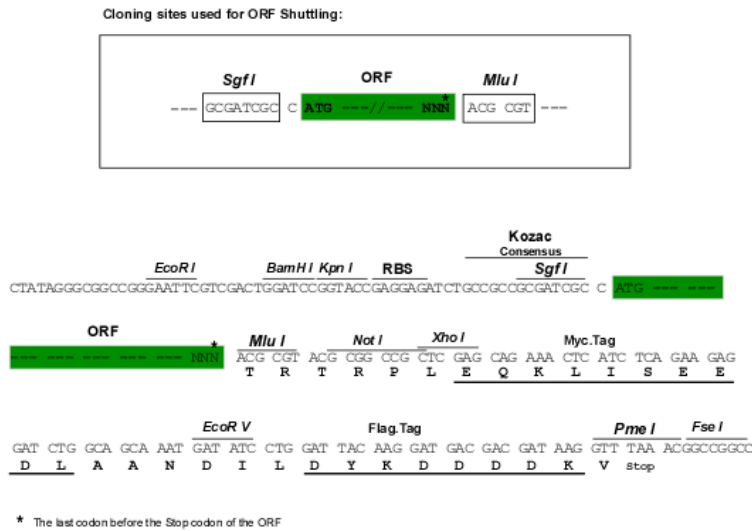
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199361

ORF Size: 627 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_199361.3](#)

RefSeq Size: 2366 bp

RefSeq ORF: 630 bp

Locus ID: 7165

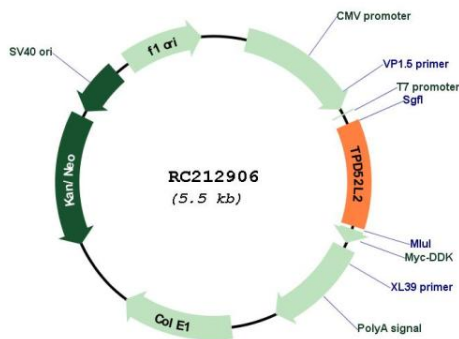
UniProt ID: [O43399](#)

Cytogenetics: 20q13.33

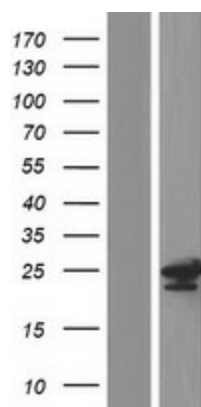
MW: 22.3 kDa

Gene Summary: 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]

Product images:



Circular map for RC212906



Western blot validation of overexpression lysate (Cat# [LY404543]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212906 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).