

Product datasheet for MR228477

TPD52I2 (NM_001291201) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tpd52I2 (NM_001291201) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tpd52I2
Synonyms: 2810411G23Rik; AU016537; C86069; D54
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228477 representing NM_001291201
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACTCTGCTAGCCAAGATATCAACCTGAATTCCTCAACAAAGGTGTGCTGTCTGACTTTATGACTG
 ACGTCCCTGTTGACCCAGGTGTGGTCCACCGACTCCAGTTGTAGAAGGCCTGACAGAGGGGGAGGAAGA
 AGAGCTTCGGGCTGAGCTTGCTAAGGTGGAAGAAGAAATTGCTACTCTGCCAGGTGCTGCCAGCCAAA
 GAGAGGCACTGTGGAGAGCTGAAAAGGAGGCTGGGCCTCTCCACATTAGGGGAGCTGAAGCAGAACCTGT
 CTAGGAGCTGGCATGATGTGCAGGTCTCTACTGCCTACAAGAAGACTCAAGAACTCTTTACAGGCTGG
 ACAGAAAACATCAGCTGCCCTGTCCACCATGGGCTCTGCCATCAGCAGGAAGCTTGAGACATGAGCAGC
 AGCTACTCCATCCGCCACTCGATAAGTATGCCTGTGATGAGGAACCTCAGCCACCTTCAAGTCATTTGAAG
 ACCGAGTGGGACCATAAAGTCTAAGGTTGTGGTGGCAGAGAGAATGGCAGCGATAACCTCCCTCCCTC
 TCCTGGAAGTGGTGACCAGACATTGCCGGATCATGCGCCTTTC

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228477 representing NM_001291201
 Red=Cloning site Green=Tags(s)

MDSASQDINLNSPNKGVLSDFMTDVPVDPGVVHRTPVVEGLTEGEEEEELRAELAKVEEIEVTLRQVLA
 ERHCGELKRRRLGLSTLGELKQNLRSWHDVQVSTAYKKTQETLSQAGQKTSAAALSTMGSAISRKLGMSS
 SYSIRHSISMPVMRNSATFKSFEDRVGTIKSKVVGRENGSDNLPPSPGSGDQTLPHAPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

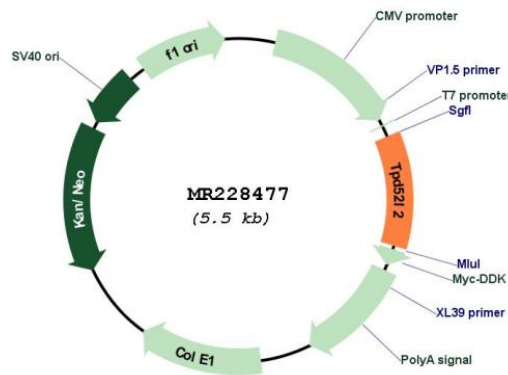
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001291201

ORF Size: 603 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_001291201.1, NP_001278130.1

RefSeq Size: 3565 bp

RefSeq ORF: 606 bp

Locus ID: 66314

Cytogenetics: 2 H4

MW: 22.2 kDa