

Product datasheet for MR228509

TPD52I2 (NM_001291200) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tpd52I2 (NM_001291200) 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: >MR228509 representing NM_001291200
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACTCTGCTAGCCAAGATATCAACCTGAATTCCTCAACAAAGGTGTGCTGTCTGACTTTATGACTG
 ACGTCCCTGTTGACCCAGGTGTGGTCCACCGACTCCAGTTGTAGAAGGCCTGACAGAGGGGGAGGAAGA
 AGAGCTTCGGGCTGAGCTTGCTAAGGTGGAAGAAGAAATTGCTACTCTGCCAGGTGCTGCCAGCCAAA
 GAGAGGCACTGTGGAGAGCTGAAAAGGAGGCTGGGCCTCTCCACATTAGGGGAGCTGAAGCAGAACCTGT
 CTAGGAGCTGGCATGATGTGCAGGTCTCTACTGCCTATGTGAAAACGCTCTGAGAACTTGAGAGTGGAA
 TGAGAAAGTGACGCAGTCTGACCTCTACAAGAAGACTCAAGAACTCTTTCACAGGCTGGACAGAAAACA
 TCAGCTGCCCTGTCCACCATGGGCTCTGCCATCAGCAGGAAGCTTGGAGACATGAGGAACCTCAGCCACCT
 TCAAGTCATTTGAAGACCGAGTGGGACCATAAAGTCTAAGGTTGTGGGTGGCAGAGAGAATGGCAGCGA
 TAACCTCCCTCCCTCTCCTGGAAGTGGTGACCAGACATTGCCGGATCATGCGCCTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228509 representing NM_001291200
 Red=Cloning site Green=Tags(s)

MDSASQDINLNSPNKGVLSDFMTDVPVDPGVVHRTVPVVEGLTEGEEEEELRAELAKVEEIEIVTLRQVLA
 ERHCGELKRRRLGLSTLGELKQNLRSWHDVQVSTAYVKTSEKLGEWNEKVTQSDLYKKTQETLSQAGQKT
 SAALSTMGSAISRKLGDMRNSATFKSFEDRVGTIKSKVVGRENGSDNLPPSPGSGDQTLDPHAPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

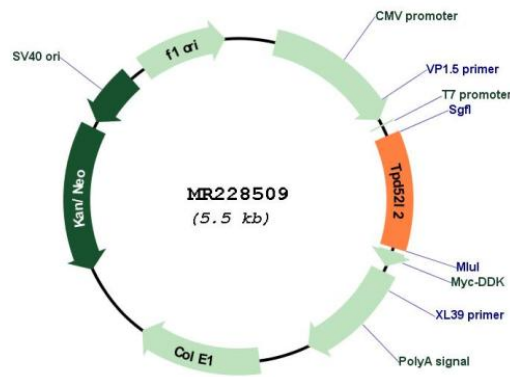
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001291200

ORF Size: 618 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_001291200.1](#), [NP_001278129.1](#)

RefSeq Size: 3580 bp

RefSeq ORF: 621 bp

Locus ID: 66314

Cytogenetics: 2 H4

MW: 22.9 kDa