

Product datasheet for MR202221

Tm2d1 (NM_053157) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tm2d1 (NM_053157) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tm2d1
Synonyms: 2310026L18Rik; AA990549; Bbp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202221 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCGGCCGCTGGCCCGGGTCTGGGCTTCCCAGCGCGGGGCTCCGGGCTTCTCCGACCCTGT
 GGCTCGTGACGGTCGCCGCGGACACTGTGGGCTGCTGCCTCTGGCGCTGTGGGGGCGAGGAGACACC
 CAAGTGTGAGGACCTCAGGGTGGACAATATTTGTAAGAACCAAAAATAAATGATGCTACGCAAGAA
 CCAGTTAATTGTACAACTACACAGCTCATGTTCAATGTTTTCCAGCACCAAAAATAACTGTAAGGATT
 TGAGTGGTAATGAAACACATTTTACTGGAAGTGAAGTCGGTTTTCTCAAGCCCATATCTTGCCGAAATGT
 GAATGGCTATTCGTACAAAGTGGCAGTTGCATTATCTCTTTTTGGGATGGCTGGGAGCAGATCGATT
 TACCTCGGATATCCTGCCTTAGGCTTGTAAAAATTTGCACCGTAGGATTTTGCAGGAAATGGGAGCCTAA
 TTGATTTCACTTATTTCAATGCAGATTGTTGGACCTTCAGATGGAAGTAGTTACATTATAGACTATTA
 TGGAACCGGCTTACAAGACTCAGCATTACTAATGAAACATTTAGAAAAACCCAGCTGTACCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202221 protein sequence
 Red=Cloning site Green=Tags(s)

MAAAWPAGRASPAAGPPGLLRTLWLVTVAAGHCGAAASGAVGGEETPKCEDLRVGQYICKPKINDATQE
 PVNCTNYTAHVQCFPAPKITCKDLSGNETHFTGSEVGLKPISCRNVNGYSYKVAVALSLFLGWLADRF
 YLGYPALGLLKFCTVGFVCGIGSLIDFILISMQIVGPSDGSSYIIDYYGTRLRLSITNETFRKTLQLYP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053157

ORF Size: 627 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_053157.2](#), [NP_444387.1](#)

RefSeq Size: 1080 bp

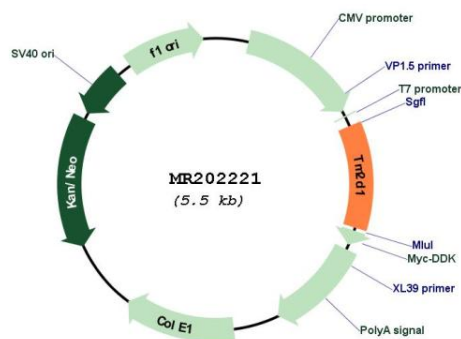
RefSeq ORF: 627 bp

Locus ID: 94043

UniProt ID: [Q99MB3](#)

Cytogenetics:	4 C6
MW:	22.3 kDa
Gene Summary:	May participate in amyloid-beta-induced apoptosis via its interaction with beta-APP42. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202221