

Product datasheet for **MG202221**

Tm2d1 (BC089492) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tm2d1 (BC089492) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tm2d1
Synonyms: 2310026L18Rik; AA990549; Bbp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202221 representing BC089492
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCCGCTGGCCCGGGTCTGGGCTTCCCAGCGCGGGGCTCCGGGCTTCTCCGCACCTGT
GGCTCGTGACGGTCGCCCGGGACACTGTGGGCTGCTGCCTCTGGCGCTGTCGGGGCGAGGAGACACC
CAAGTGTGAGGACCTCAGGGTGGACAATATTTGTAAGAACCAAAAATAAATGATGCTACGCAAGAA
CCAGTTAATTGTACAACTACACAGCTCATGTTCAATGTTTTCCAGCACCAAAAATAACTGTAAGGATT
TGAGTGGTAATGAAACACATTTTACTGGAAGTGAAGTCGGTTTTCTCAAGCCCATATCTTGCCGAAATGT
GAATGGCTATTCGTACAAAGTGGCAGTTGCATTATCTCTTTTTGGGATGGCTGGGAGCAGATCGATT
TACCTCGGATATCCTGCCTTAGGCTTGTAAAAATTTGCACCGTAGGATTTTGGGAATTTGGGAGCCTAA
TTGATTTCACTTATTCAATGCAGATTGTTGGACCTTCAGATGGAAGTAGTTACATTATAGACTATTA
TGGAACCGGCTTACAAGACTCAGCATTACTAATGAAACATTTAGAAAAACCCAGCTGTACCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202221 representing BC089492
Red=Cloning site Green=Tags(s)

MAAAWPAGRASPAAGPPGLLRLLRVLVTVAAGHCGAAASGAVGGEETPKCEDLRVQYICKPKINDATQE
PVNCTNYTAHVQCFPAPKITCKDLSGNETHFTGSEVGFLLKPISCRNVNGYSYKVAVALSLFLGWLGADRF
YLGYPALGLLKFCTVGFVCGIGSLIDFILISMQIVGPSDGSSYIIDYYGTRLRLSITNETFRKTQLYP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



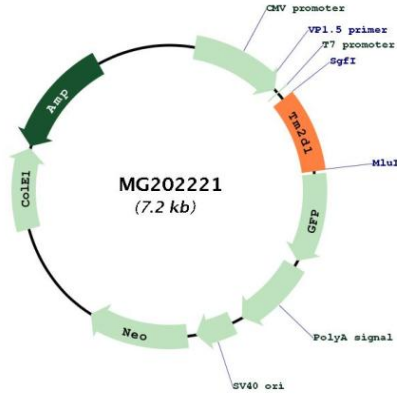
[View online »](#)

Cloning Scheme:


- ACCN:** BC089492
- ORF Size:** 626 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:** [BC089492](#), [AAH89492](#)
- RefSeq Size:** 1080 bp
- RefSeq ORF:** 626 bp
- Locus ID:** 94043
- Cytogenetics:** 4 C6

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

Product images:



Circular map for MG202221