

Product datasheet for **MG204565**

Tnmd (NM_022322) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnmd (NM_022322) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tnmd
Synonyms:	1110017I01Rik; Bricd4; ChM1L; TeM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204565 representing NM_022322 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAAGAATCCTCCAGAGAACTGTGAGGGCTGTCACATTCTAAATGCAGAAGCTCTGAAATCTAAGA
AGATATGTAAATCACTGAAGATTTGTGGACTAGTGTGGTATCCTGGCCTTAACCTAATTGTCCTGTT
TTGGGGGAGCAAACACTTCTGGCCGAGGTATCCAAGAAAACCTATGACATGGAGCACACTTTCTACAGC
AACGGCGAGAAGAAGAAGATTTACATGGAATTTGATCCCATAACCAGAACAGAAATATTCAGAAGTGAA
ATGGCACTGATGAAACATTGGAAGTCCATGACTTTAAAAATGGATACACTGGCATCTACTTTGTAGTCT
TCAAAAATGCTTTATTA AAAACTCAAATCAAAGTATTCTGAATTTCTGAACCAGAGGAAGAAATAGAT
GAGAATGAAGAAATTAACAACCTTTCTTTGAACAGTCAGTGATTTGGGTCCCGCAGAAAAGCCTATTG
AAAACAGAGACTTCTGAAAAATCTAAAATCTGGAGATTTGCGATAATGTGACCATGTAAGGATCAA
TCCCACCTAATAGCAGTTTCAGAATTACAGGACTTTGAGGAGGACGGTGAAGATCTTCACTTTCTTACC
AGTGAAAAAAGGGGATTGACCAGAATGAGCAATGGGTGGTCCCGCAAGTGAAGGTGGAGAAGACCCGCC
ACACCAGACAAGCAAGCGAGGAAGACCTTCCTATAAATGACTATACTGAAAATGGAATTTGAATTTGACCC
AATGCTGGATGAGAGAGGTTACTGTTGTATTTACTGTCGTCGAGGCAACCGTTACTGCCGCCGTGTCTGT
GAACCTTTACTAGGCTACTACCCATACCCCTACTGCTACCAAGGAGGTCGAGTCATCTGTCGTGTCATCA
TGCCCTTGAACCTGGTGGTGGCCCGCATGCTTGGGAGAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204565 representing NM_022322
 Red=Cloning site Green=Tags(s)

MAKNPPENCEGCHILNAEALKSKKICKSLKICGLVFGILALTLIVLFWGSKHFWPEVSKKTYDMEHTFY
 NGEKKIYMEIDPITRTEIFRSGNGTDETLVHDFKNGYTGIIYFVGLQKCFIKTQIKVIPEFSEPEEID
 ENEEITTTFFEQSVIWPVPAEKPIENRDFLKNKILEICDNVTMYWINPTLIAVSELQDFEEDGEDLHFPT
 SEKKGIDQNEQWVVPQVKVEKTRHTRQASEEDLPINDYTENGIEFDPMLDERGYCCIIYCRRGNRYCRRVC
 EPLLGYYPYPCYQGGRRVICRVIMPCNWWVARM LGRV

TRTRPLE - GFP Tag - V

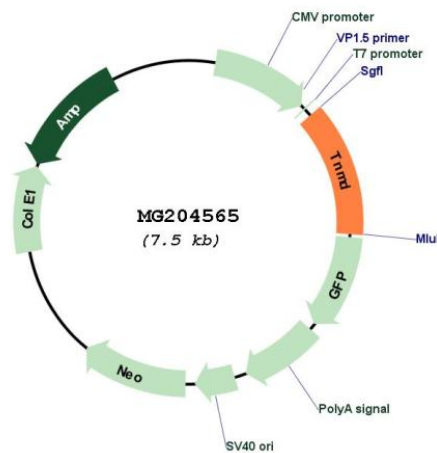
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_022322

ORF Size: 951 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:	<ol style="list-style-type: none">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_022322.2 , NP_071717.1
RefSeq Size:	1338 bp
RefSeq ORF:	954 bp
Locus ID:	64103
UniProt ID:	Q9EP64
Cytogenetics:	X E3
Gene Summary:	May be an angiogenesis inhibitor.[UniProtKB/Swiss-Prot Function]