

Product datasheet for **RR202280**

Tnmd (NM_022290) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnmd (NM_022290) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tnmd
Synonyms: ChM1L
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202280 representing NM_022290
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAAAGAATCCTCCAGAGAACTGTGAGGGCTGTCACATTCTAAATGCAGAAGCTCTGAAATCTAAGA
AGATACGTAATCACTGAAGATTTGTGGACTAGTGTGGTATCCTGGCCTTAACCTAATTGTCCTGTT
TTGGGGGAGCAAACACTTCTGGCCGAGGTATCCAAGAAGACCTATGGCATGGAGCACACTTTCTACAGC
AATGGCGAGAAGAAGAAGATTTCCATGGAAATGATCCCATACCCAGAACAGAAATATTCAGAAGTGGAA
ATGGCACCGATGAAACATTGGAAGTCCATGACTTTAAAAACGGATACACTGGCATCTACTTTGTAGGTCT
TCAAAAATGCTTTATTA AAACTCAAATCAAAGTGATTCCTGAATTTTCTGAACCAGAAGAGGAAATAGAT
GAGAATGAAGAAATTAACAACGTTCTTTGAACAGTCAGTGATTTGGGTTCTGCAGAAAAGCCTATTG
AAAACAGAGACTTCTGAAAAATCTAAAATCTGGAGATTTGCGACAATGTGACTATGTACTGGATCAA
TCCCACTCTAATAGCAGTTTCAGAATTACAGGACTTTGAGGAGGATGGTGAAGATCTTCACTTTCTACC
AGCGAAAAAAGGGATTGACCAGAATGAGCAATGGGTGGTCCCACAAGTGAAGGTGGAGAAGACCCGCC
GCACCAGACAAGCAAGCGAGGAAGACCTTCTGTTAATGACTATACTGAAAATGGAATCGAATTTGATCC
CATGTGGATGAGAGAGTTACTGTTGATTTACTGCCGTCGAGGCAACCGCTACTGCCGAGGGTCTGT
GAACCTTTACTAGGCTACTACCCATACCCCTACTGCTACCAAGGAGGTCGAGTCATCTGTGTCATCA
TGCCTTGAACCTGGTGGGTGGCCGCATGCTTGGGAGAGTCTGCCTTGAACCTGGTGGGTGGCCGCATG
CTTGGGAGAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR202280 representing NM_022290
 Red=Cloning site Green=Tags(s)

MAKNPPENCEGCHILNAEALKSKKIRKSLKICGLVFGILALTLIVLFWGSKHFWPEVSKKTYGMEHTFYS
 NGEKKKISMEIDPITRTEIFRSGNGTDETLVHDFKNGYTGIFYVGLQKCFIKTQIKVIPEFSEPEEID
 ENEEITTTFFEQSVIWPVPAEKPIENRDFLKNKILEICDNVTMYWINPTLIAVSELQDFEEDGEDLHFPT
 SEKKGIDQNEQWVVPQVKVEKTRRTRQASEEDLPVNDYTENGIEFDPMLDERGYCCYCRGNRYCRRVC
 EPLLGYYPYCYQGGRVICRVIMPCNWWVARMMLGRVCLATGGWPAACLGE

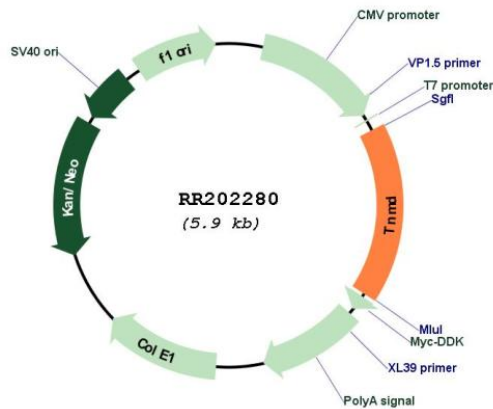
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022290

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 Size:	1336 bp
RefSeq ORF:	954 bp
Locus ID:	64104
UniProt ID:	Q9ESC2
Cytogenetics:	Xq32
MW:	37 kDa
Gene Summary:	transmembrane protein; may be an angiogenesis inhibitor; may play a regulatory role in eye and skeletal muscle development [RGD, Feb 2006]