

Product datasheet for **RR216433**

Tmod4 (NM_001270650) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmod4 (NM_001270650) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmod4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216433 representing NM_001270650 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATCCTATCAGAAGGAAGTGGAGAAGTACAGAGACATAGATGAAGACGAGATCCTAAGGACCTTGA
GCCCTGAGGAGCTAGAACAGCTGGACTGTGAGCTACAAGAAATGGATCCTGAGAACATGCTGCTGCCAGC
TGGACTGAGACAACGTGACCAGACAAGAAGAGTCCAACAGGGCCACTAGACAGAGACGCCCTATTGCAG
TACCTGGAACAACAGGCGCTAGAAGTCAAAGAGCGTGACGACTTGGTGCCCTTCACTGGCGAGAAGAAGG
GAAAACCCCTTTATTCAGCCTAAGAGAGAAATCCAGCACAGGAACAGATCACACTGGAGCCTGAACTGGA
GGAAGCACTGTCCATGCCACAGATGCTGAAATGTGTGACATTGCAGCGATCCTGGGCATGTACACACTG
ATGAGCAACAAGCAATACTATGATGCTATCTGCAGCGGAGAGATCTGCAACACCGAAGGCATTAGCAGTG
TAGTGCAGCCTGACAAGTATAAGCCAGTACCAGATGAACCCCAACCCCAACATTGAGGAGATGCT
AAAGAGGGTGGGAGCAATGACAAGAGCTGGAGGAGGTGAACCTCAATAACATCCAGGACATCCCGATA
CCCGTGCTAAGCGACTTGTGTGAAGCAATGAAGACTAATACCTATGTCGGGAGCTTCAGTCTGGTGGCCA
CAAAGAGTGGTGACCCCATCGCCAATGCGGTGGCTGACATGTTGCGTGAGAACCAGCAGTCTCCTGAGCCT
GAACATCGAATCCAATTCATCAGCAGCACAGGGCTCATGGCTGTGCTGAAGGCAGTTCGAGAAAACGCT
ACTCTCACTGAGCTCCGAGTAGATAACAGCGCCAGTGGCCTGGAGATGCTGTAGAGATGGAGATGGCCA
CTGTGCTAGAGCAGTGTCCGTCTATTGTCCGCTTCGGGTACCACTTCACACAACAAGGACCGCGAGCTCG
GGCAGCCAACGCCATGACCCGCAACAATGAGCTGCGGCGTCAGCAAAAAGAAGAGA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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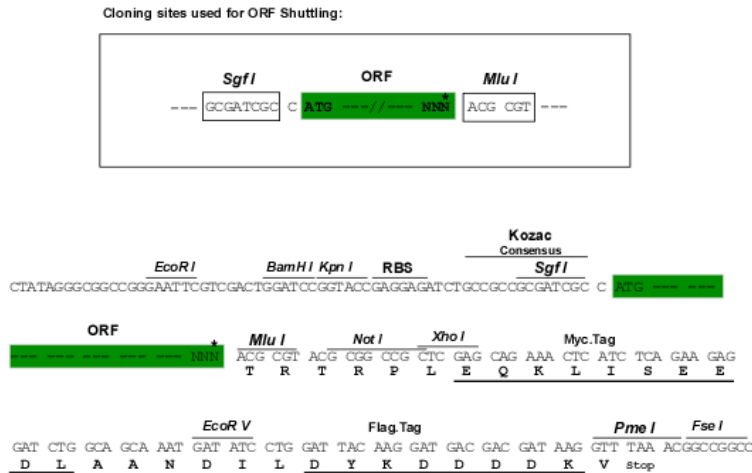
Protein Sequence: >RR216433 representing NM_001270650
 Red=Cloning site Green=Tags(s)

MSSYQKELEKYRDIIDEDEILRTLSPPELEQLDCELQEMDPENMLLPAGLRQRDQTKKSPTGPLDRDALLQ
 YLEQQALEVKERDDLVPFTGEEKKPKFIQPKREIPAQEQITLEPELEEEALSHATDAEMCDIAAILGMYTL
 MSNKQYYDAICSGEICNTEGISSVVQPKYKPVPEPPNPTNIEEMLKRVRSNDKEEVLNLIQDIPI
 PVLSDLCEAMKTNTYVRSFSLVATKSGDPIANAVADMLRENRSLLSLNIESNFISSTGLMAVLKAVRENA
 TLTELRVDNQRQWPGDAVEMEMATVLEQCPSIVRFGYHF TQQGPRARAANAMTRNNELRRQKKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

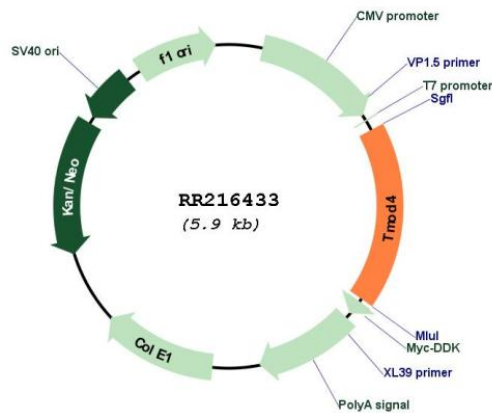
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001270650

ORF Size:	1035 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_001270650.1 , NP_001257579.1
RefSeq Size:	1375 bp
RefSeq ORF:	1038 bp
Locus ID:	295261
Cytogenetics:	2q34
MW:	39.2 kDa