

Product datasheet for **RR217475**

Tmc3 (NM_001170432) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmc3 (NM_001170432) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmc3
Synonyms: Stard5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217475 representing NM_001170432
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACCTCAAAGGCATCCCAGCGCTACAGAAGCATCCGGAGAAATGCCAGCCAGTGTCTACCTCTACC
AGGACTCCCTGCTGCTTGGTAACTTCGACGACAGCTTTAATGCTGACGAAGCAGGAGACAGCAGTGATCC
AGAACAAATCTCCAGAATATACAGTTTCAGAAAGATCTCATGGCAAATATCCGCTGCAGACCCTGGACC
ATGGGGCAGAAGCTTCGGGCACTGAGACGAGCAAAGGAGATCGTATTGAAGTTTGAAGGCAGGCTGACCA
GGACTCGAGGCTACCAAGCAGCGGGAGCAGAGCTCTGGCGGAAATTTGCCCGTCTGGCCTGTAACCTTGT
GGTCATCTTCATCCCCTGGGAAATGAGGATAAAGAAAATCGAGAGTCACTTCGGATCTGGTGTGGCCTCC
TACTTCATCTTCTGAGGTGGTTATTCGGTATTAACATAGTGCTCACGGTGATGACGGGTGCCTTTGTTG
TCCTTCTGAGCTAATCGCAGGCCAGCCCTTTGGAAGCACAGCCAGCAAGACCATCCCCAGGAGCAGGT
CATGTCTGCACAGGATCTGGACTGTCTGGTCCCTCGGGGCTACCTCAATACTCTGCTCTGTCTAT
GGATACTACGGAAGAGAGAGCGGATCGGAGAGCCGGCTACCGCCTGCCCTGGCATATTCCTGGTGG
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CATGTGGGACTTGAAGAGACAAGCTTTCTGACTTCTATCACACCACACAGTAGCCAACAAGACAGTG
TCCTACATGCAGGGCCACAAGGCCAGTGTGGGAGACATACGTCGGCCAGGAGATGCTGAAGCTGTCTG



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TCATTGACATGCTCTTCACTGTGGCCAGCATCCTCCTCATAGACTTCTCCGAGGACTTTTTGTTGCTA
 CTTAAGTGACTATTGGTGTGGGACCTTGAAGCAAGTTTCTGAATATGGAGAATTCAAGATTGCTGAG
 AATGTGCTGCATCTTGTCTACAATCAAGGCATGATTTGGATGGGGCCTTCTTCTCTCCGTGCTGCCAG
 CATTCAATGTTCTCAAGCTCATTGGGCTGATGTACCTGAGGAGCTGGGCAGTGTGACCTGCAATGTACC
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 CAGAAGATAAGAAAAAGTTGCCAAAATGGTAGAGGCTCGAATCCAGACTCATGAAGAAAGCAGCAAGAG
 GCTTCTAAAGGACAGTGACCTTATCAGCCAGCTGTCTCTGCATACCTGGCAACATCCCATAACAATGGC
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 AGAGTCTGGACAAGGTCCAGAGGCCCTGCTCTCTCTCCAGATGGATCCAGATCAAGACCAGAGCA
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 CCCACCAGCCTTCTTCTCCACAGCTGAGTGAAGAAGAGGAGGAGATACTGAGAAGAGATTGATCCAGTG
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 AATAACACCAGAGACCCTAAGTACCAGCGAAGGGTGTACTACAGATCTGGGAAAATAGTTTTGAAGGCC
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 CTGCCAGCCAGCTGGGCAGGAGGAAGGCCAAGTACAGGCAGTACTGCCACAGATCTAAATGACCTAAT
 TTGTTCAAATGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217475 representing NM_001170432
 Red=Cloning site Green=Tags(s)

MKTSKASQRYRSIRRNASQCYL YQDSL L L L G N F D D S F N A D E A G D S S D P E Q I F Q N I Q F Q K D L M A N I R C R P W T
 M G Q K L R A L R R A K E I V L K F E G R L T R T R G Y Q A A G A E L W R K F A R L A C N F V V I F I P W E M R I K K I E S H F G S G V A S
 Y F I F L R W L F G I N I V L T V M T G A F V V L P E L I A G Q P F G S T A S K T I P Q E Q V M S A Q D L D T V W S L G G Y L Q Y S V L F Y
 G Y Y G R E R R I G R A G Y R L P L A Y F L V G M A V F A Y S F I I L L K K M A K N S R T S L A S A N E N Y T F C W R V F C A W D Y L I G
 N P E A A E S K T A A I L N S I R E A I L E E Q E K K K N M A V T V C L R I I A N I L V L L S L A G S I Y L I Y F V V D R S Q K L E Q S
 K K E L T L W E K N E V G V V V S L V T M L A P S A F D L I A A L E M Y H P R T T L R F Q L A R V L V L Y L G N L Y S L I I A L L D K V N S
 M N I E E A A T K N S T S H W A D A P T F Y A T R T V P E E G W P T P V S G V E L R R N T S M W D L E E T S F L T S I P H T V A N K T V
 S Y M Q G P Q G C W E T Y V G Q E M L K L S V I D M L F T V A S I L L I D F F R G L F V R Y L S D Y W C W D L E S K F P E Y G E F K I A E
 N V L H L V Y N Q G M I W M G A F F S P C L P A F N V L K L I G L M Y L R S W A V L T C N V P H Q Q V F R A S R S N N F Y L A M L L F M L F
 L C M L P T V F A I V H Y K P S L N C G P F S G Q E K I Y D I V S E T I E N D F P T W F H V V V G H I S S P V I L P A V L L L F M L I Y Y
 L Q S I A R S L K L S S Q L R M Q I Q N A R S E D K K K V A Q M V E A R I Q T H E E S K R L L K D S D L I S Q L S S A Y L A T S H N N G
 N M L N F D S L S S K S L R M E T I T R S L P Q S P G Q S R G P C S P L P D G S R S R P E Q D T N R N P H G P C S S T G N L H K N R S C S
 S V T Q T Q P L K D A R S E P L S R K N F Q P I R P P F C G S E V S A L M T H G H L R A P R Y Y V V N E H D S H K K T H S A F W P E R H F
 K I D A L G D I V E L Y P R N V G Q Y M S W V P H Q P S S P Q L S E E E E E I L R R D L I Q W S I P A S S L T D L P R S S C F Y T G D R S E
 N N T R D P K Y Q R R V Y R S G E N S F E G Q L E R P I F V H K K P R P R N V Q P Q H P L K A K V K A K F E P S F T E S D S V S A A S S
 S D Q Q N S N N D Q Y R H V M S S Q A R F P R S A S Q L G R R K A K Y R Q V L P T D L N D L I C S N V

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<u>NM_001170432.1, NP_001163903.1</u>
RefSeq Size:	3306 bp
RefSeq ORF:	3306 bp
Locus ID:	293065
Cytogenetics:	1q31
MW:	125.6 kDa