

Product datasheet for **MC221107**

Tgm5 (NM_028799) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tgm5 (NM_028799) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tgm5
Synonyms:	2310007C07Rik; TGMX; TGx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221107 representing NM_028799
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAAAGGCTGCCCCATCACAGGACTAGAGGTGGCCCTCACAGACCTCCAGAGCTCCCAGAATAATG
 TTCGGCACACACGGAAGAGATCAGTGTGACCGGCTTGTGTCCGCCGAGGCCAGGCCTTCTCCATCAC
 CCTGTACTTTAAGAATCGGGGCTTCCAGCCAGGCATGGACAGTATCATGTTTGTGGCTGAGACTGGACCC
 TTGCCCGATCTGGCCAAAGGGACTCGGGCAGTATTACAGCTTACAGGCAGTGGTGGCCAAAGCCCCTGGA
 TTGCGTCCCTGGAAGCCAAAGGGCCAACCTCCCTGGAAGTGAAGCTCTGTGCTCTCCCATAGCAGCCGT
 GGGCCGATACCTCCTGAAAATTCGGATCGACTCCTACCAGGGTTTTGTCACTGCCTACCAGCTGGGGGAG
 TTTATCCTGCTTCAATCCCTGGTGCCAGCGGATTCACTGTATCTGGAGAGTGAAGCCAGAGGCAGG
 AGTATGTTGTGAACGATTATGGCTTCACTACCAAGGGAGCAAGATTGGATCCGCCCATGCCCTGGAA
 CTATGGGCAGTTGAAGAGAATATCATAGATATCTGCTTGGAGCTGCTAGAGAAGAGCCTGAACTCCAG
 GTTGACCCATCCACAGACTGTGCCCTTCGGGGAAGCCCTGTCTACACCAGCAGAGTTGTGTGTGCCATGA
 TAAACAGCAATGATGACAAACGGAGTGCTCAATGGCAACTGGAGTGAGAATTATGTGGACGGCATCAACCC
 CGCGGAATGGACTGGCAGCGTGGCCATCCTTAAGCAGTGGCATGCCACAGGCTGCCAACCAGTGCCTAT
 GGGCAATGCTGGGTCTTTGCTGCTGTATGTGCACAGTATGAGTGCCTGGGGATCCCCACCCGCGTGA
 TCACCAACTTTGACTCTGGCCATGACACCGATGGGAACCTGATCATTGATGAGTATTACGACAACACAGG
 CAGGATTCTGGAGAATATGAAGAAGGACACCGTCTGGAATTTCCATGTGTGGAATGAGTGTGGATGGCA
 CGCAAGGACCTCCCTCCTGGATACGGAGGCTGGCAGGTGCTTGTGCTACACCTCAGGAAACCAGCAATG
 GTCTCTACTGCTGTGGCCCTGCTTCTGTCAAAGCCATCAAAGAGGGAGAAAATTGATCTAAACTATGACAC
 ACGCTTTGCATTTTCTATGGTGAATGCTGACTGCATGTCCTGGCTTGTCTATGGCGGGAAGGAGCAGAAA
 CTTACCAGGACACAGCTACTGTTGGGAATTTTATCAGCACCAAGAGCATCCAGAGTATGAGCGTGATG
 ACATCACCGAGAGCTACAAGTATGAAGAAGGTTCCCTTCAAGAGAGAGAGGTGTTCTAAAGGCTCTGCA
 GAAGCTACAGGCTACAAGGTCTCAAGGGCCTCACCAAGCAAACCTCCAATCCCTTCAGCTCCGTGCCACCA
 AGGCACAACAGTGCCAGGAGTCTGATTACCTTCCCTTCAACCCAGTATGCTCTCCAGGTCTCTCTGA
 AGTTTGAGCTGCTCGACTACCCAAAATGGCCAAAGACATAAACTTTGCTCTGTTGGCTGTCAATATGTC
 ACCTCAGTCAAGGATCTCAAACCTCAACTTGAAGTCCAGTCTCTGTTGCATGATGGCAGCCCCCTGGTT
 CCATTCTGGCAGGACACAGCATTATCACACTGTTCCCTGAAGAAGAAAAGAGCTACCCTTGCAAAATCC
 TCTACTCACAGTACAGCCAGTATCTGTCGACGGACAAGCTAATCCGCATCAGTGCCTGGGTGAAGAGAA
 GAACAGTCTGAGAAAATCCTGGTGAACAAGATCATCACCTTGACTTTCCCGGGCATCATGATTAATGTT
 CTAGGAGCTGCCTTTGTGAATCAGCCGCTCACAGTCCAGGTGGTCTTCTCAAACCCGCTCTCAGAGCCGG
 TTGAGGACTGTGTGCTGACCTTGGAAAGGAGTGGTCTCTTTAGAAAGCAGCAGAGAGTTCTCATTGGCGT
 CCTCAAACCCATCACAAGCCAGCATCACTCTGAAGACCGTCCCCTTCAAGAGTGGCCAAAGGCAGATC
 CAAGCTAATCTGAGGAGCAATAGGTTTAAAGACATCAAGGGCTACAAGAACGTGTATGTAGACATTGGCT
TATAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028799

Insert Size: 2175 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_028799.2</u> , <u>NP_083075.1</u>
RefSeq Size:	2531 bp
RefSeq ORF:	2175 bp
Locus ID:	74176
UniProt ID:	<u>Q9D7I9</u>
Cytogenetics:	2 E5
Gene Summary:	Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Contributes to the formation of the cornified cell envelope of keratinocytes (By similarity). [UniProtKB/Swiss-Prot Function]