

Product datasheet for **RN213904**

Tgm4 (NM_022713) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tgm4 (NM_022713) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tgm4
Synonyms:	Dp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213904 representing NM_022713
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCCAGGAACATGCTTGTGCTTTACTCTGTGAACTGGAGAAAAAGCTGAACGCTGCTGCCACC
 ACACGATTGAGTACCAAACCTCAGAAGCTCGTGCTCAGGCGTGGACAGATATTCTCCCTGAAGGTGATGCT
 AAACAGACCGCTCCAATCTCATGATGAACTGAAGCTGATATTCAATACTGGACACAACATGCCATTCTAC
 ACTGTGGAGCTTGATCCAATGACATCCTACCGTTCCAAGGGCTGGCAGGTGAAGATTGCTAAACAGTCTG
 GTGTAGAGGTTGATTGAATGTCATCAGTGCTGCCGACGCGTGGTGGGAGGTACACGATGAACGTGAA
 CGAATTTGACGCTGGAGTGTCTTCTTCTTCAATCCGTGGTGTCTCAGATGACAGTGTCTTCATGGCT
 AGTGAGGAAGACCGAGCAGAGTACGTCTTAATGATACCGGTTACATGTACATGGGTTTTGCCAAACAGA
 TTAAGAGAAGCCCTGGACCTTTGGTCAGTTTGAAGAATACATCTGAACTGCTGCTCCGATTGTTGAC
 CCATTTGGAGCCCAAGGAAATGCAGAGCCAGTGTGTGTCCAGGGCCATTTGACTATGATGTGTGCT
 GCAAACAATTTGGAGTGTGGTGGGAACTGGACAGGAGACTATAGCAATGGCACTGCCCGTATGTGT
 GGGCCAGCAGTGTACCCATTCTCCAGCAGCACTACATCACCAGGATGCCTGTACGCTTTGGCCAGTGTG
 GGTTTTCTCTGGAGTCTGACCACAGCACTGAGAGCAGTGGGCATCCCAGCTCGCAGCGTACTAACTTT
 GAGTCAGCCCACGATACAGAAAAGAACCTCAGAGTAGACATCTACCTGGATGAATCGGGCAAGACAATTC
 CACATCTGACCAAAGACTCTGTCTGGAATTTCCATGTGTGGACAGATGCCTGGATGAAAAGACAGGATCT
 ACCCCAGGGCCATGATGGTTGGCAGGTCCTGGATTCTACACCACAGGAAATCAGTGAAGGACAATCCGC
 ATTTGGACCTTACCGGTGTCTGCTATCCGCCAGGGATTGGTCAAATCATGTATGACACCACATTTGTGT
 TCACGGAGGTGAACGGTGACAAGTACATCTGGCTGGTGAAGCAGAACCAGGAAAGGAGAAGAATGTCCT
 CATCGCTGTGGAGACTGCTAGCATCGGCAAGAACATCAGCACCAAGATGGTGGGGGAGAACAGCGCTCAA
 GATATTACCTTGATTACAAGTCCCAGAAAGCCAGCCAGAGGAGAGGAAGGCCATGGAGAAGGCCCTCTG
 GGAAACGTCTGATGACAAGCTCAACTCTCGGACACTTCACATATCTGTCTCCAGAACTCTGTGGAGCT
 AGGACATCTATCAATTTGACCATAGTGTGAAAAGGAAAACGGCCACACCACAGAATGTCAACATTTCA
 TGCTCCCTTGACCTACAGACTTACACAGGCAACAAGAAGACAACCTGGGAGTATCCAGAAGACTGTGC
 AGATTCAGGCCAAGAATCAGAGGTGTCTCTCAGCATGGATTCCAGTTTCTACATCTATAAACTGGGCAT
 GGTGATGATGAGATGGTCATTAAGGGTTCATCATTGCAGAAATGTTGATTCTGGTGAACGGGTAGCC
 ACTGATACGACCCTGTGTTTCTGTACTCTGCCTTCTGTAGAGATGCCGAGCACAAGCAAGGTCAACC
 AGCCTCTGACCATCACCTGCAACTCAAGAACCCTGCCATCCCTTTGACTAACATCAAGTTCTCAGT
 GGAAAGCCTGGGCTCAATAACATGAAGTCTGGGAGCAAGAGACGGTGGCCGCCGAAAGACCATCAAT
 TTCCAGATAGAATGCACCCAGTAAAACCTGGACCCAGGAAGTTCATTGTCAAGTTTATTTCCAGACAAG
 TGAAGAGGTTTCATGCCGAGAAGGTCGTTCTCATCAAAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022713
- Insert Size:** 2004 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:

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_022713.2](#), [NP_073204.2](#)

RefSeq Size: 2868 bp

RefSeq ORF: 2004 bp

Locus ID: 64679

UniProt ID: [Q99041](#)

Cytogenetics: 8q32

Gene Summary: may act as an androgen-regulated transglutaminase [RGD, Feb 2006]