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Product datasheet for RN202457

Tgm2 (NM_019386) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tgm2 (NM_019386) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tgm2
Synonyms:	TgaseII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>RN202457 representing NM_019386
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGAGGAGCTGAACCTGGAGAGGTGCGATTTGGAGATACAGGCCAATGGCCGTGATCACCACACGG
CCGACCTGTGCCAAGAGAAACTGGTGCTGCGGCGAGGCCAGCGCTTCCGGCTGACACTGTACTTCGAGGG
CCGTGGCTATGAGGCCAGCGTGGACAGACTTACATTTGGTGCCGTGACCGGCCCAGATCCCAGTGAAGAG
GCAGGGACCAAGGCCCGCTTCTCACTGTCTGACGATGTGGAGGAGGGATCCTGGTCAGCCTCTGTGCTGG
ACCAACAGGACAATGTCCTCTCGCTGCAGCTCTGCACCCCAGCCAATGCTCCTGTTGGCCAGTACCGCCT
CAGCCTGGAGACTTCTACTGGCTACCAAGGCTCCAGCTTCATGCTGGGTCACTTCATCCTGCTCTTCAAT
GCCTGGTGCCCAGCGGATGACGTGTACCTAGATTCAGAGGCGGAGCGCCGGGAATACGTCCTCACACAGC
AGGGCTTCATCTACCAGGGCTCTGTCAAGTTCATCAAGAGTGTGCCTTGGAACTTTGGGCAGTTTGAGGA
TGGGATCCTGGATGCCTGCCTGATGCTTTTGGATGTGAACCCCAAGTTCCTGAAGGACCGTAGCCGGGAC
TGCTCACGACGCAGCAGTCCCATCTATGTGGGCCGCGTGGTGAGCGGCATGGTCAACTGCAATGATGACC
AGGGTGTGCTTCTGGGTCGCTGGGACAACAATTATGGGGACGGTATCAGTCCCATGGCCTGGATTGGCAG
CGTGGACATTCTGCGGCGCTGGAAGGAACACGGCTGTCAGCAAGTGAAGTATGGCCAGTGCTGGGTGTTT
GCGGCGGTAGCCTGCACAGTGCTGCGGTGCCTTGGCATCCCTACCAGAGTGGTGACCAACTACAACTCCG
CCCACGACCAGAACAGCAACCTGCTCATCGAGTACTTCCGAAACGAGTACGGGGAGCTGGAGAGCAACAA
GAGCGAGATGATCTGGAATTTCCACTGCTGGGTGGAGTCCTGGATGACCAGGCCAGACCTACAGCCAGGC
TATGAGGGGTGGCAGGCCATTGACCCCACACCGCAGGAGAAGAGCGAAGGAACATACTGTTGTGGCCCAG
TCTCAGTGCGGGCCATCAAGGAGGGTGACCTGAGCACCAAGTATGATGCGTCCTTCGTGTTTGCCGAGGT
CAACGCTGATGTGGTGGACTGGATCCGGCAGTCAGATGGGTCTGTGCTCAAATCCATCAACAATTCCCTG
GTCGTGGGGCAGAAGATCAGCACTAAGAGCGTGGGCCGTGATGACCGGGAGGACATCACCTATACCTACA
AGTACCCAGAGGGGTCCCCAGAGGAGAGGGAAGTCTTCACCAGAGCCAACCACCTGAACAAACTGGCAGA
GAAAGAGGAGACAGGGGTGGCCATGCGGATCCGAGTGGGGGATGGTATGAGCTTGGGCAATGACTTTGAC
GTGTTTGCCCACATCGGCAACGACACCTCGGAGAGCCGTGAGTGCCGCCTCCTGCTCTGTGCCCGCACTG
TCAGCTACAACGGCGTGCTGGGGCCCGAGTGTGGCACTGAGGACATCAACCTGACCCTGGATCCCTACTC
TGAGAACAGCATCCCCCTTCGCATCCTCTACGAGAAGTACAGCGGTTGCCTGACCGAGTCAAACCTCATC
AAGGTGCGGGGTCTCCTCGTCGAGCCAGCCGCTAACAGCTACCTGCTGGCTGAGAGAGATCTCTACCTGG
AGAATCCTGAAATCAAGATCCGGATCCTGGGGGAGCCCAAGCAGAACCGCAAACTGGTGGCTGAGGTGTC
CCTGAAGAACCCACTTTCTGATTCCCTGTATGACTGTGTCTTCACTGTGGAGGGGGCTGGCCTGACCAAG
GAACAGAAGTCTGTGGAGGTCTCAGACCCTGTGCCAGCAGGAGATGCGGTCAAGGTGCGGGTTGACCTGT
TCCCGACTGATATTGGCCTCCACAAGTTGGTGGTGAACTTCCAGTGTGACAAGCTGAAGTCGGTCAAGGG
TTACCGGAATATCATCATCGGCCCGGCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019386

Insert Size: 2061 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_019386.2, NP_062259.2
RefSeq Size:	3526 bp
RefSeq ORF:	2061 bp
Locus ID:	56083
UniProt ID:	Q6P6R6
Cytogenetics:	3q42
Gene Summary:	catalyzes acyl transferase reaction of gamma-carboxamide groups of glutamine residues (donor peptide) with epsilon-amino groups of lysine residues (acceptor peptide) [RGD, Feb 2006]