

Product datasheet for **SC124308**

MMGT1 (NM_173470) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMGT1 (NM_173470) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMGT1
Synonyms:	EMC5; TMEM32
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124308 sequence for NM_173470 edited (data generated by NextGen Sequencing) ATGGCGCCGTCGCTGTGGAAGGGGCTGGTGGGCATCGGTCTCTTTGCCCTAGCCCACGCC GCCTTTTCCGCTGCGCAGCATCGTTCTTATATGCGATTAACAGAAAAGAAGATGAATCA CTGCCAATAGATATAGTTCTTCAGACACTTCTGGCCTTTGCAGTTACCTGTTACGGTATA GTTTCATATTGCAGGAGAGTTAAAGACATGGATGCCACTTCAGAACTGAAAAATAAGACA TTTGATACGTTAAGGAATCACCCATCCTTTTATGTATTTAATCATCGTGGTCGAGTACTT TTCCGGCCTTCGGATACAGCAAATCTTCAAACCAAGATGCATTGCCTCTAACACATCA TTGAAGTTACGAAAACCTCGAATCACTGCGTCGTAA

Clone variation with respect to NM_173470.1



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173470 unedited GGGGGGGGGGCCNNNNNNNNCCNNNNNGNCGGTTCAAATTTGTATACGACTCACTAT AGGCGGCCGCGNAATTCGCACGAGCTTCCCCGTAGCTCCCGCTTTCGCCTTTCGTTTAT GACTCCGTTGGGCTCCGGCCCTCCTAGAGAGGCCTCCATAGCGCAGGTTTCGTGGGTTCTC GCGGACCTTTTCCGTGTAGCTTCTGCTTCTTCCCGCATTCTGTTTCCGTTTCTCA CAGCCCTCTGGCTTTTCCACCCTGAGACACTTTCGCTCAGGACTTTCAGTGACGTCATC TTTCTGCGGCGCGGACACCCCGGTGGAAGAAGAAACAGCTCCGCCGTCCTTCGCTT CTTTTGTGGGCTGCTGCTCCTTCGGCATCATGGCGCCGTCGCTGTGGAAGGGGCTGGTG GGCATCGGTCTCTTTGCCTAGCCACGCCGCTTTTCCGCTGCGCAGCATCGTTCTTAT ATGCGATTAACAGAAAAAGAAGATGAATCACTGCCAATAGATATAGTTCTTCAGACACTT CTGGCCTTTGCAGTTACCTGTTACGGTATAGTTTCATATTGCAGGAGAGTTAAAGACATG GATGCCACTTCAGAACTGAAAAATAAGACATTTGATACGTTAAGGAATCACCCATCCTTT TATGTATTTAATCATCGTGGTCGAGTACTTTCCGGCCTTCGGATACAGCAAATCTTCA AACCAAGATGCATTGCTCCTAACACATCATTGAAGTTACGAAAACCTCGAATCACTGCGT CGTTAAGATTTTTACAAATTATATAATAGGACAGGACACAGAGCTGGATATTGGAGTTTG GGGTATAAACACTNCTCCTGCCCATAGATTATATTGATCTTTCAGACCTACTATAAN
Restriction Sites:	NotI-NotI
ACCN:	NM_173470
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_173470.1</u> , <u>NP_775741.1</u>
RefSeq Size:	3704 bp
RefSeq ORF:	396 bp
Locus ID:	93380
UniProt ID:	<u>Q8N4V1</u>
Cytogenetics:	Xq26.3
Protein Families:	Transmembrane

Gene Summary:

Mediates Mg(2+) transport.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.