

Product datasheet for **MG216105**

Tmem165 (NM_011626) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem165 (NM_011626) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tmem165
Synonyms: AV026557; pFT27; Tpardl; Tparl
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216105 representing NM_011626
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGCGGCC

ATGGCGGCCGGCCCGGGGAGCGCCGGCGCCGACGCGAAGGCTGCTCGTGCTCTTGCTGCTTCAGT
TGCTCTGGGCCCCGGCTGGGGTCCGCGCCGGCCCGGAGGAAGACCTGAGCCATCGGAACCAGGAGCTGCC
GGCGCCCCCAGCAGCTGCAGCCGAGCCCGCGGGTGCAGGGCTCGAGCCGGCCCGGGCCGAGAAA
GGATTGACACCAGTCGCCCCAGTTCATACCAACAAGAAGATGCAGCTGCCAGACGAATCTGGGATTTA
TCCATGCGTTTGTGGCTGCCATATCAGTCATCATAGTGTCTGAACTCGGCGACAAGACGTTTTTCATAGC
TGCCATCATGGCGATGCGCTATAACCGGCTGACTGTGCTGGCCGGGCCATGCTGGCCTTGCCCTTGATG
ACATGCTTGTGCGTTTTGTTGGCTATGCCACAACAGTCATCCCCAGGGTGTATACATACTATGTTCAA
CTGCACTCTTCGCCATTTTTGGCATTAGAATGCTTCGGGAAGGTTTGAAGATGAGCCAGATGAGGGTCA
GGAGGAGCTAGAAGAAGTCCAAGCAGAGTTAAAGAAGAAGGATGAAGAATCCAACGAACCAAACTTTA
AATGGCCAGATGTTGAAACTGGTACAAGCACAGCAATACCTCAGAAAAAGTGGTTACATTTTATTTAC
CCATTTTGTTC AAGCGCTCACATTAACGTTCTTGGCAGAATGGGGCGATCGCTCTAACTCACTACCAT
TGTCTTGGCAGCTAGAGAGGACCCTTATGGTGTAGCAGTGGGTGGCACAGTGGGACACTGCTTATGTACT
GGATTGGCAGTAATTGGAGGAAGGATGATAGCGCAAAGATCTCTGTCCGAACGTGACAATCATCGGAG
GCATCGTATTTTTGGCGTTTGCATTTTTCGCCCTGTTTATAAGTCCAGAGTCTGGTTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216105 representing NM_011626
 Red=Cloning site Green=Tags(s)

MAAAARGSGRAPTRRLVLLLLQLLWAPAGVRAGPEEDLSHRNQELPAPAQQLQPQPAAVQGLEPARAEK
 GLTPVAVHTNKEDAAAQTNLGFIAHFVAASVIVSELGDKTFFIAAIMAMRYNRLTVLAGAMLALALM
 TCLSVLFGYATTVIPRVYTYVSTALFAIFGIRMLREGLKMSPDGEQEELVQAELEKDEEFQRTKLL
 NGPDVETGTSTAIPQKKWLHFISPIFVQALTLTFLAEWGDORSQTTIVLAAREDPYGVAVGGTVGHCLCT
 GLAVIGGRMIAQKISVRTVTIIGGIVFLAFASFALFISPESGF

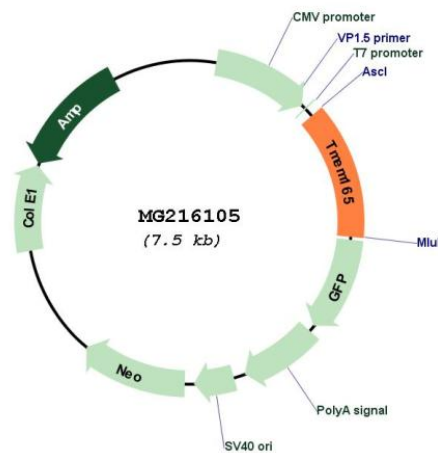
TRTRPLE - GFP Tag - V

Restriction Sites: AscI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011626

ORF Size: 969 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_011626.2 , NP_035756.2
RefSeq Size:	1896 bp
RefSeq ORF:	972 bp
Locus ID:	21982
UniProt ID:	P52875
Cytogenetics:	5 40.56 cM
Gene Summary:	May function as a calcium/proton transporter involved in calcium and in lysosomal pH homeostasis. Therefore, it may play an indirect role in protein glycosylation (By similarity). [UniProtKB/Swiss-Prot Function]