

Product datasheet for MR216105

Tmem165 (NM_011626) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem165 (NM_011626) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem165
Synonyms:	AV026557; pFT27; Tparl; Tparl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216105 representing NM_011626 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGCCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCC

ATGGCGCGCCGGCCCGGGGAGCGCCGGCGCCGACGCGAAGGCTGCTCGTGTCTTGTGCTTCAGT
TGCTCTGGGCCCCGGCCGGGTCCGCGCCGGCCCGGAGGAAGACCTGAGCCATCGGAACCAGGAGCCGCC
GGCGCCCCCAGCAGCTGCAGCCGAGCCCGCGCGGTGCAGGGCCTCGAGCCGGCCCGGGCCGAGAAA
GGATTGACACCAGTCGCCCCAGTTCATACCAACAAGAAGATGCAGCTGCCAGACGAATCTGGGATTTA
TCCATGCGTTTGTGGCTGCCATATCAGTCATCATAGTGTCCGAACCTGGCGACAAGACGTTTTTCATAGC
TGCCATCATGGCGATGCGCTATAACCGGCTGACTGTGCTGGCCGGGCCATGCTGGCCTTGGCCTTGATG
ACATGCTTGTGCGTTTTGTTGGCTATGCCACAACAGTCATCCCCAGGGTGTATACATACTATGTTTCAA
CTGCACTCTTCGCCATTTTTGGCATTAGAATGCTTCGGGAAGGTTTGAAGATGAGCCCAGATGAGGGTCA
GGAGGAGCTAGAAGAAGTCCAAGCAGAGTTAAAGAAGAAGGATGAAGAATCCAACGAACCAAACTCTTA
AATGGGCCAGATGTTGAAACTGGTACAAGCACAGCAATACCTCAGAAAAAGTGGTTACATTTTATTTAC
CCATTTTGTTC AAGCGCTCACATTAACGTTCTTGGCAGAATGGGGCGATCGCTCTAACTACTACCAT
TGTCCTGGCAGCTAGAGAGGACCCTTATGGTGTAGCAGTGGGTGGCACAGTGGGACACTGCTTATGTACT
GGATTGGCAGTAATTGGAGGAAGGATGATAGCGCAAAGATCTCTGTCCGAACGTGACAATCATCGGAG
GCATCGTATTTTTGGCGTTTGCATTTTTCGCCCTGTTTATAAGTCCAGAGTCTGGTTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216105 representing NM_011626
Red=Cloning site Green=Tags(s)

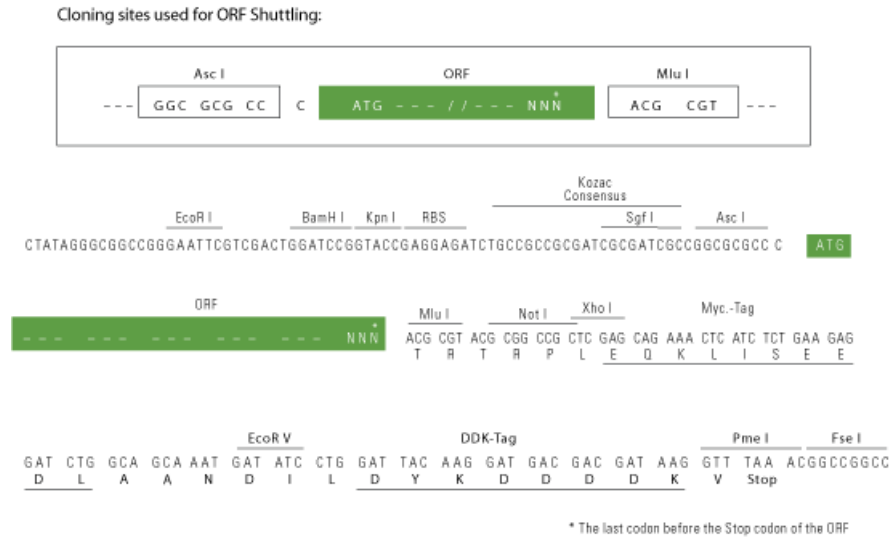
MAAAARGSGRAPTRRLVLLLLQLLWAPAGVRAGPEEDLSHRNQEPAPAAQQLQPQPAAVQGLEPARAEK
 GLTPVAVVHTNKEDAAAQTNLGFIAHFVAASVVIIVSELGDKTFFIAAIMAMRYNRLTVLAGAMLALALM
 TCLSVLFGYATTVIPRVYTYVSTALFAIFGIRMLREGLKMSPDGEQEELVQAEKDKDEEFQRTKLL
 NGPDVETGTSTAIQKWLHFISPIFVQALTLTFLAEWGDORSQTTIIVLAAREDPYGVAVGGTVGHCLCT
 GLAVIGGRMIAQKISVRTVTIIGGIVFLAFASFALFISPESGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9020_h03.zip

Restriction Sites: AscI-MluI

Cloning Scheme:



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:

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

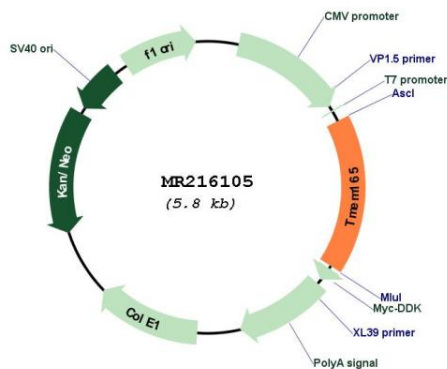
UniProt ID: [P52875](#)

Cytogenetics: 5 40.56 cM

MW: 35.2 kDa

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]

Product images:



Circular map for MR216105