

Product datasheet for MR201906

Tmem123 (NM_133739) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem123 (NM_133739) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem123
Synonyms: 2310075C12Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201906 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCTGTGCGCGGGCCGCGCTGCTGCTGGGCGTGTGTCAGGTGCTGGCGTCTAGGGCGGGCGC
 AGGACCCGACCGACGCTCAGGGCTCTGCAAGTGGAAACCACTCAGTGTGACCTCCAATATTAACATAAC
 AGAGAATACCAACCAGACCATGAGTGTGGTTTCCAACCAGACCAGTAAATGCAGAGCACCGGAAGCCT
 TCCGTAAGTCCAAAACTACCACACTTACTACTGTGAAACCTGCAACTATTGTTAAAATATCAACCCAG
 GAGTCTTACCACATGTGACGCCTACTGCCTCAAAGTCTACACCAATGCAAGTGCTTCTCAAACCTAC
 CCACACGTGAGCATCCATGACAACCCAGCCACAGTAGTTTATTGACAAGTGAACGGTTTCAGCAACT
 ACTCATCCACCAAGGCAAAGGATCCAAGTTTGTGATGCCGGCAGCTTTGTTGGTGGTATAGTGTAAACAC
 TGGGAGTTTTATCTATTCTACATTGGATGCAAATGTATTATCAAGAAGAGGCATTCGGTACCGAAG
 CATTGACGAACATGATGCCATCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201906 protein sequence
 Red=Cloning site Green=Tags(s)

MALCARAALLLGVLQVLALLGAAQDPTDAQGSASGNHSLVTSNINITENTNQTMSSVVSNTSEMQSTAKP
 SVLPKTTTLITVKPATIVKISTPGVLPHTPTASKSTPNASASPNSHTSASMTTPAHSSLLTTVTVSAT
 THPTKGGKSKFDAGSFVGGIVLTLGVLSILYIGCKMYYSRRGIRYRSIDEHDAII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133739

ORF Size: 588 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_133739.2](#), [NP_598500.1](#)

RefSeq Size: 2881 bp

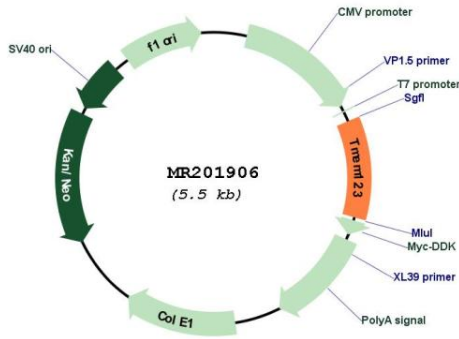
RefSeq ORF: 588 bp

Locus ID: 71929

UniProt ID: [Q91Z22](#)

Cytogenetics: 9 A1
 MW: 20.2 kDa
 Gene Summary: Implicated in oncotic cell death, characterized by cell swelling, organelle swelling, vacuolization and increased membrane permeability.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201906