

Product datasheet for MR222460

Tmem201 (NM_177672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem201 (NM_177672) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem201
Synonyms:	AV028368; D4Ertd429e; Net5; Samp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222460 representing NM_177672 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGAGTGAGCGCGCTGCTGGCTAGCTGCCACCACCAGCCGGCTGGCGGGCGGCTCGGGTACGG
CGTGCGCTGCCGCCGGCTGGTGTCTACCGGATTGCGCGGAGGGTGAAGCCAACACACAATGGTCAA
CTGCTGGTTCTGCAACCACGATACTGGTGCCTATGGGAATCGCAACTGTTGGGACTGTCCCACTGT
GAGCAGTACAATGGCTTTCAAGAGAATGGAGACTACAACAAGCCAATCCCAGCACAGTACATGGAACACC
TGAACCACGTGGTGAGCAGCGTGCCAGTCCCCGGGACCCTGCACAGCCACAGCAGTGGGTGAGCAGCCA
GGTCTGCTGTGCCGAAGGTGCAGCCACCACCAGACCACCAAGATCAAGCAGCTGGCTGCTTTCACACCA
CGGGAGGAGGGCCGCTACGATGAGGAGATTGAGGTGTACCGCCACCACCTGGAGCAGATGTACAAGCTGT
GCCGCCGTGCCAGGCGGCCGTCGAGTACTACATCAAACACCAGAACCAGCCAGCTGCGTGCCTGCTTCT
CAGCCACCAGTCCGGCGTCGGGAGGCTGACCAGGCCATGGGCAGAGTTTCAAGTTCCTCGGCAGTGAAG
GCCCCATTCCAGGTATCCTGCTCCGTGCCCTGGCCTTCTGGCCTGTGCCTTCTGTTGTTCACTACAC
TGATGGGCCAGCAACCCTTACCCCCGGGGCTGCCTGGCCCCAGCCCTACCTCCTGGGGGCAACAG
TTCTGGCGCTCGGACAACCACTTCTCAGGCGGAGGGCTGGCAGCAGTGTGGTCTATTGCCTGAG
CATGCCACAGAGAAGCTACATGAGGCCTGGGCCTTGGGCATGCCAGCCAGCAGCATTGTTGGCAGTGG
GCCTGCTCACCTGCCTGCTGGCCATGCTGCTGGCTGGCCGTATCAGGCTCCGGCGGATCGATGCCTTCTC
CACCTGCCTCTGGGCCCTGCTGCTGGGGCTGCACCTGGCAGAGCATTATCTACAGGCTGCCTCACCCGGC
TGGCTAGACACTCAAGTTCAGTACCACGTCCCTGTGCTGCCTGGTGGGCTTACCAGCAGTGTGGCTA
CGAGGAAATCGACAGGCCACGGAGGTTCCGGCCCCGAAGGTCAGAGAAGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222460 representing NM_177672
Red=Cloning site Green=Tags(s)

MEGVSALLASCPTAGLAGGLGVTACAAAGVVLRYIARRVKPTHTMVCNWFVFNHDTLVPYGNRNCWDCPHC
 EQYNGFQENGDNKPIPAQYMEHLNHVSVSPRDPAPQPPQVSSQVLLCRRCSHHQTTKIKQLAAFTP
 REEGRYDEEIEVYRHHLEQMYKLCRPCQAAVEYYIKHQNRQLRALLSHQFRRREADQAHGQSFSSSAVK
 APFQVILLRALAFLACAFLLFTLYGPSEPFTPGAALPPALPPGGNSSAASDNTTSSQAEWQQLLGLLPE
 HATEKLHEAWAFQSHQTSIVAVGLLTCLLAMLLAGRIRLRIDAFSTCLWALLLGLHLAEHYLQAASPG
 WLDTLKFSTTSLCCLVGF TAAVATRKSTGPRFRPRRSEKQQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177672

ORF Size: 1176 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_177672.4](#)

RefSeq Size: 3612 bp

RefSeq ORF: 1179 bp

Locus ID: 230917

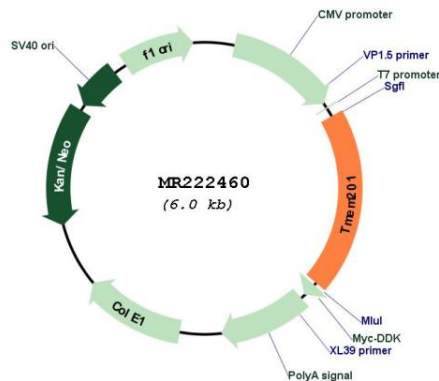
UniProt ID: [A2A8U2](#)

Cytogenetics: 4 80.15 cM

MW: 44 kDa

Gene Summary: Involved in nuclear movement during fibroblast polarization and migration (PubMed:22349700). May recruit Ran GTPase to the nuclear periphery (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222460