

Product datasheet for **MR230820**

Tmem201 (NM_001284270) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem201 (NM_001284270) 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)



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ORF Nucleotide Sequence:

>MR230820 representing NM_001284270
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGAGTGAGCGCGCTGCTGGCTAGCTGCCACCACCAGCCGCGCTGGCGGGCGGCTCGGGGTACGG
 CGTGCGCTGCCGCGCGCTGGTGTCTACCGATTGCGCGGAGGGTGAAGCCAACACACAATGGTCAA
 CTGCTGGTTCTGCAACCACGATACACTGGTGCCTATGGGAATCGCAACTGTTGGGACTGTCCCACTGT
 GAGCAGTACAATGGCTTTCAAGAGAATGGAGACTACAACAAGCCAATCCCAGCACAGTACATGGAACACC
 TGAACCACGTGGTGAAGCAGCTGCCAGTCCCCGGGACCCTGCACAGCCACAGCAGTGGGTGAGCAGCCA
 GGTCTGTGTGCCGAAGGTGCAGCCACCACCAGACCACCAAGATCAAGCAGCTGGCTGCTTTACACCA
 CGGGAGGAGGGCCGCTACGATGAGGAGATTGAGGTGTACCGCCACCCTGGAGCAGATGTACAAGCTGT
 GCCGCCGTGCCAGGCGCGCTGAGTACTACATCAAACACCAGAACCAGCCAGCTGCGTGCCTGCTTCT
 CAGCCACCAGTTCGGCGTGGGAGGCTGACCAGGCCATGGGCAGAGTTTCAGTTCCTCGGCAGTGAAG
 GCCCATTCCAGTTCATCCTGCTCGTGCCTGGCCTTCTGGCCTGTGCCTTCTGTTGTTCACTACAC
 TGTATGGGCCAGCGAACCTTCAACCCGGGGGCTGCCTTGCACCCAGCCCTACCTCCTGGGGGCAACAG
 TTCTGCGGCTCGGACAACCACTTCTCAGGCGGAGGGCTGGCAGCAGCTGCTGGGTCTATTGCCTGAG
 CATGCCACAGAGAAGCTACATGAGGCTGGGCTTGGGAGAGCCACCAGACCAGCATTGTGGCAGTGG
 GCCTGCTCACCTGCTGCTGGCCATGCTGCTGGCTGGCGTATCAGGCTCCGGCGGATCGATGCCTTCTC
 CACTGCCTCTGGGCCCTGCTGCTGGGGCTGCACCTGGCAGAGCATTATCTACAGGCTGCCTCACCCGGC
 TGGCTAGACACTCAAGTTCAGTACCAGTCCCTGTGCTGCCTGGTGGGCTTACCAGCAGTGTGGCTA
 CGAGGAAATCGACAGGCCACGGAGGTTCCGGCCCCGAAGTACTTCTCCGGAGACTCTGCCAGCCTTTT
 TCCTTCCAGCCCCAGCCTGGCTGTGCCCTACCCAAGTGTACATCCTCGCCAGCATCCCTGTTTATCCCC
 ACCCCACCTGGCTTCTGCTCTCACCAAGCAGCAGCTGTTCCGATCTCCCCGTGGGTCTCCCCCTCCT
 CACTGCCAGGCCCTCAGTCGGGCCCTCTCGCTGGGAACCATACCTCCTCTGACCCGGACTGACTCAGG
 ATACCTGTTCCAGCGGGAGCCGGCCACCGTCTCGGGTGTCTCCAGCAGGGGAGGTTTCTTTTCAGATTAC
 TTTTCTGCTGTCCAGCAGTTCCTGCTTCTCCCTCCCTTCCCAGCACCTCCGTGGCCAGCTCCG
 TGGCCTCCAGCTCGGCTCCTTGCGCCACCGCAGGCCCTCATCAGCCCTGCACGGCTCAACCTGAAAGG
 ACAGAAACTGCTGCTGTTCTCATCCCTGGGAAGCACCAATACCCCCAGCAGCTCAGAGGAGTTCTCG
 CCACCAACGGCAGCCTTTCATTGAGTCTCCCAGCTGCCACAGAGGAATCACACTCGGGACACAAGC
 ACACCATGGAGATGAGGTGATGCTGGCCAGAGACAGCGCCCGCAGTAGCCACTCCATCAAGAAAGAGGA
 CGAGTCGTCTCAGTCTCCACCTGCGTCTGACACCACCACCAAGGGTGTGAGAGGAGACCCTCCC
 TGGAAAGCTCGTGTGAGTCCCTCCCTGGTCCGGGGCTCCTGGCTGTGAGTTGGCAGTCAATGCTCTCT
 TCACCTCGGCCTACCTGTACCAGAGCCTGCGC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230820 representing NM_001284270
Red=Cloning site Green=Tags(s)

MEGVSALLASCPTAGLAGGLGVTACAAAGVVLRYIARRVKPTHTMVCNWFVFNHDTLVPYGNRNCWDCPHC
 EQYNGFQENGDNKPIPAQYMEHLNHVVSSVSPRDPAPQVQVSSQVLLCRRCSSHHTTKIKQLAAFTP
 REEGRYDEEIEVYRHHLEQMYKLCRPCQAAVEYYIKHQNRQLRALLSHQFRRREADQAHGQSFSSSAVK
 APFQVILLRALAFACAFLLFTTLYGPSEPFTPGAALPPALPPGGNSSAASDNTTSQAEGWQQLLGLLPE
 HATEKLHEAWAFQSHQTSIVAVGLLTCLLAMLLAGRIRLRIDAFSTCLWALLGLHLAEHYLQAASPG
 WLDTLKFSTTSLCCLVGFATAAVATRKSTGPRFRPRRYFSGDSASLFPSSPSLAVPYPSVTSSPASLFI
 TPPGFLPLTKQQLFRSPRRVSPSSLPGRSLRSLGTLIPPLTRTDSGYLFSGSRPPSRVSPAGEVSLSDY
 FSLLSSSFPASPLPSPAPSVASSVASSGSLRHRRLISPARLNKKGQKLLLFSSPGEAPNTPSSSEEFSS
 PPNGSLFIESPQLQRNHRDTRDTHMEMRMLARDSARSSHSIKKEDESSQSTCVVDTTTCGCSEETTP
 WKARVSPSLVRGLLAVSLAVNALFTSAYLYQSLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001284270

ORF Size: 1992 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_001284270.1](#), [NP_001271199.1](#)

RefSeq Size: 3737 bp

RefSeq ORF: 1995 bp

Locus ID: 230917

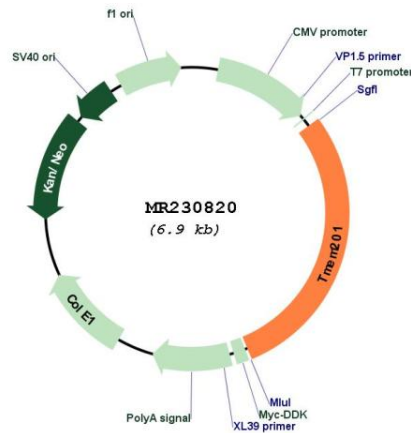
UniProt ID: [A2A8U2](#)

Cytogenetics: 4 80.15 cM

MW: 72.9 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 MR230820