

Product datasheet for MR203323

Tmem101 (NM_029649) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem101 (NM_029649) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem101
Synonyms:	2610511E22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203323 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCGAAGATTGGATCGAGACGCTGGATGCTGCAGCTGATCATGCAGCTGGGTCCGTGCTGCTCA
CGCGCTGCCCTTTTGGGGCTGCTTCAGCCAATTATGTTGTACGCTGAAAGGGCCGAGGCGCCGGAA
GCCCGACATCCCAGTGCCTTATCTATATTCGACATGGGGCAGCTGTGTGTGCTAGCTTCATGTCC
TTCGGAGTGAAGCGCGTTGGTTTGCCTTGGGCGCCGCTGCAGCTAGCCATCAGCACCTACACCGCTT
ACATCGGGGGCTATGTCCACTACGGGACTGGCTAAAGGTCCGTATGTATTCTCGCACAGTTGCCATCAT
TGGCGGCTTTCTGGTGTGGCCAGTGGGGCTGGAGAGCTGTACCGTCGAAAGCCCGAAGCCGTTCCCTG
CAGTCCACTGGCCAAGTGTCTGGCATCTACCTCATTGTGTGGCCTACTCGCTGCAGCACAGCAAGG
AGGACCGGCTGGCGTACCTGAACCATCTCCAGGAGGGGAGCTGATGGTCCAGCTGTTCTTCGTGCTTTA
TGGGGTCTGGCCCTGGCCTTCTGTGGGTTACTATGTGACGCTGGCCGCCAGATCCTGGCCGTGTTG
TTACCTCCTGTATGCTGCTTATCGACGGCAACGTCTCCTATTGGCACAACACACGACCGCTCGAGTTCT
GGAACCAGATGAAGCTACTCGGCGAGAGTGTGGCATCTTTGGGGCTGCCGTATCTTGGCTACTGATGG
C

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203323 protein sequence
 Red=Cloning site Green=Tags(s)

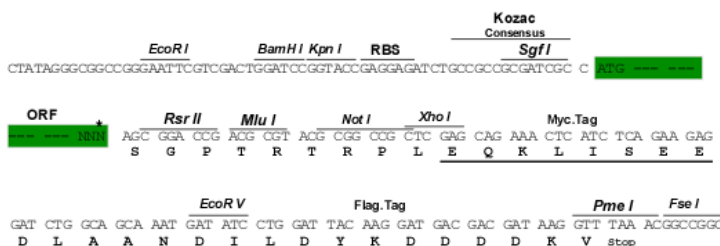
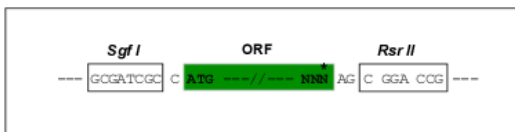
MASKIGSRRWMLQLIMQLGSVLLTRCPFWGCFSQLMLYAERAEARRKPDIPVPYLYFDMGAAVLCASFMS
 FGVKRRWFALGAALQLAISTYTAYIGGYVHYGDWLKVRMYSRTVAIIGGFLVLASGAGELYRRKPRSRL
 QSTGQVFLGIYLICVAYSLQHSKEDRLAYLNHLPGGELMVQLFFVLYGVLALAFLSGYYVTLAAQILAVL
 LPPVMLLIDGNVSYWHNTRRVEFWNQMKLLGESVGIFFGAAVILATDG

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029649

ORF Size: 774 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_029649.2](#), [NP_083925.2](#)

RefSeq Size: 1576 bp

RefSeq ORF: 774 bp

Locus ID: 76547

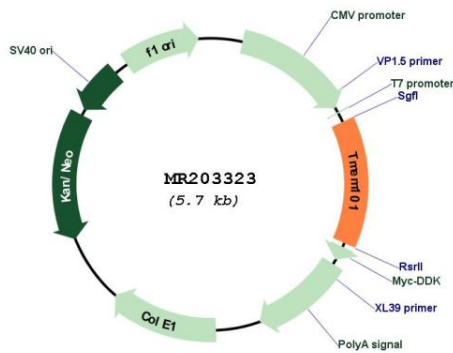
UniProt ID: [Q91VP7](#)

Cytogenetics: 11 D

MW: 28.8 kDa

Gene Summary: May activate NF-kappa-B signaling pathways.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203323