

Product datasheet for **MR221313**

Tmem181a (NM_001033178) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Tmem181a
Synonyms:	5930418K15Rik; C76977; Gpr178; mKIAA1423; Tmem181
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >MR221313 representing NM_001033178
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAACCGTTGGCACCACATGCGGCTCTATACGCTCTCCAAGCGCCACTTCGTCCTTGTTGTTGTCT
 TCTTCATCTGTTTGGACTGACCGTCTTCGTCGGCATCGAGGGACCCAGAGTGATCGAGACTTTGCCTGC
 TAATTATCACTCAATAGTAGCAAAAGCTAAAGACAGTTATACCTTCAAACCCACTGTCCACATATAAC
 CAACAACATAGGCTGATGTGCGTTGTGGAGCTGGAGCCCTCAGAAGAAACATCCATCCAAACAGCTTCA
 CCATGACAGTGAAGGTCGATGGTGTGTCTCAAGATGGAACACGACGTACATCCATAACAAGGTTACAA
 CCGGACGAGGACCCTCACGTGTGCAGGGAATGTGCAGAAATCATCGTGGCCACCTTGGCTACCTGAAT
 TACACACAGTACAGGGTACTGTGGGTTTGAGCACCTGAACCAGCCCATCAAGGATATGAACCTCACGT
 GGAAGACATACAACCTGCGTTTTCCCGGCTGGAGATCTGGTTCACCTCGTGTGTGGTGCTCACCTT
 CATCGTGATTTGCCTGTTGTACATTCCTGCGCAAGTTCTCCATGAGGACTGGGTCATCGAGCAGAAG
 TGGATGTCTGCTCCTGGCCCTGCTGCTCTACAATGACCCTTCTTCCCACTCTCCTTCTTGGTGA
 ATAGCTGGTCCCGGGGATGCTGGACGACTTCTCCAGTCTCTGTTCTGTGTGCCCTGCTGCTCTTCTG
 GCTGTGCGTGATCATGGGATACGGGTCCAGGGAGAGAGAAAATGTTAACTTTCTATTGCTTAAGTTC
 TTCATCGTTGGACTGCTGTGGCTGGCTTCTGTCACTCTGGGAATATGGCAGACATTTAATGAATTAATG
 ATCCCATGTACCATGATCGGGTTGACACCGGAACTTTCAGGGCATGAAGGTCTTCTTCATGGTGGTGCC
 CGCTGTGTACATTTTATACCTTCTATTCTTGATAGTGCAGCATGCTCCGAGCTCCGTCATATGCCTTAC
 GTGGATCTCAGGTTAAAGTTTTGACTGCGTTGACCTTTGTAGTGCTAGTTATTAGCATCGTCATCCTCT
 ACCTACGGTTTGGAGCACAAGTGTGCAGGACAACCTTCGTAGCAGAACTGTGGCTCACTACCAGAACTC
 AGCTGAATTCCTGTCTTCTATGGCCTGTTGAACCTTTACTTGTACACGCTGGCCTTTGTGTACTCTCCG
 TCGAAGAATGCCCTGTACGAGTCCCAGCTGAAGGATAACCCCTGCGTTTTCCATGTTGAACGACTCTGACG
 ATGACGTGATTTACGGGAGTGACTATGAAGAAATGCCCTGCAGAACGGCCAGGCCATCCGTGCCAAGTG
 CAGGAAGAGTCGGACAGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221313 representing NM_001033178
 Red=Cloning site Green=Tags(s)

MEPLAPMRLYTLKRHFVLFVVFVIFGLTVFVGIEGPRVIETLPANYSLNSSKKLKTIVIPSNPLSTYN
 QQLWLMCVVELEPSEETSIQTSFTMTVKVDGVSQDGTTTYIHNKVHNRTRLTACAGKCAEIIVAHLGYLN
 YTQYRVTVGFEHLNQPIKDMNFTWKTYNPAFSLRIWFHFVVFVLTFFIVICLFVHSLRKFSMRDWGIEQK
 WMSVLLALLLLYNDPFFPLSFLVNSWFPGLDDFFQSLFLCALLLFWLCVYHGIRVQGERKCLTFYLPKF
 FIVGLLWLASVTLGIWQTFNELNDPMYQYRVDTGNFQGMKVFFMVVAAYVILYLLFLIVRACSELRHMPY
 VDLRLKFLTALTFVVLVISIVILYLRFGAQLQDNFVAELSAHYQNSAEFLSFYGLLNFYLYTLAFVYSP
 SKNALYESQLKDNPAFSLNDSDDVIYGSDEEMPLQNGQAIRAKCREESDSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9017_a06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033178

ORF Size: 1422 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001033178.3](#), [NP_001028350.1](#)

RefSeq Size: 4430 bp

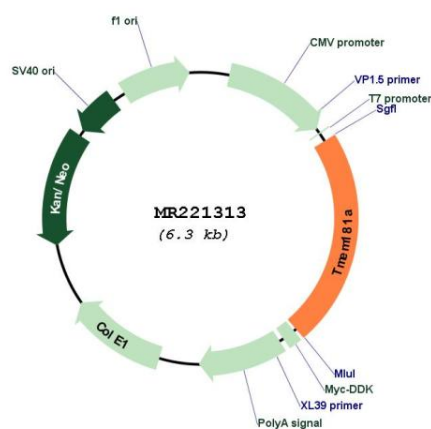
RefSeq ORF: 1425 bp

Locus ID: 77106

Cytogenetics: 17 A1

MW: 55.4 kDa

Product images:



Circular map for MR221313