

Product datasheet for **MR207313**

Tmem143 (NM_144801) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem143 (NM_144801) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem143
Synonyms:	2310076O21 Rik; AI481604
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207313 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGTCGCGGTTGGTTAAGGCTCTGGGAAAGGGGGCAGGCCATGTTGCATGTGACCTGGGGTCCA
 AGGTCCGACTATGGTCCCTGGTGCCTGCTCTCCTCGGGACTCCCCGAGCTCTGTGCTCCCTGGAGAACAG
 GATGGGGGTGTACCGCAAGATGTGGAACCCCAAGGAGCCCTGCGACTGGGCCCAGCAGTACCGCGAGCGC
 TTCATTCCATTCTCCAAGGAGCAGCTGCTCCGCCTCTGATACAGGAGTCCACTCCAGCCAGCGGAGA
 GAGCAGCTTTGGAGGCATTCTCAGCTCACGTGGACTTCTGTACCCTTTTCACTACCATCAGCTCCTGGC
 CAGGCTGCAGGCCTGTATGACCCCATCAACCCCGACAGGGAGACCCTGGACCAGCCGTCCTTACTGAC
 CCCGAGCGCTGTCCAGTGAGAAGGATGTCTCCAGGCTCTGAGGCCCTGCTGGCCAGGCCAACTTCT
 CTCCTACTCTGAAGATGCCCTGGCTTATGCACTAGTCGTCCATCATCTCAGGATGAGGTCCAGGTGAC
 AATAAATTTGGATCAGTATATCTACATACAGTTCTGGGCCCTGGCCAGAGAGTTGGGCAGATGCCCCAC
 AAGTCCAGTGTGGCTCCAAGCGTGGCTTCTTCAGAAAGTTGCCCTGTGGAGAGGAGATACTTCAAGC
 GTGTGGTGTGGCTGCCCGACGAAAGGAGGGCACCTGGTCTGAAGAGCTTCAAGGATACCCCGCTGGA
 GGGCTTAGAGCAGCTGCTGCCGAGCTGAAGGTGCGCACGCCCTGCTGCAGCGGCCCTGCTCAACCTT
 ATGTTGGTGGTCTCAGGCGTCATGATCTTCGTCACAGTGGGATGGTGATACTGTCTGACCTCAAGATGG
 CCACCTCCCTGCTGCTGCTGCTTTGCTGCCTTCATGGGCGTGAAGGCCTCAAGGTGTTTGGGCAGCG
 CCGCAGTGCCAGGCGCTGGAGCTGGCACACGTGCTGTACTACCGAAGCAGTCCAACAACCTCAGAACTG
 CTCAGTCCCTGGCACTCCGAGCCAGGAGGAACATATCAAGGAAGCCCTCCTGGCTCACAGCTTCTAG
 CCCGCCGGCCAGGGGGCTCCCAAGGCAAACCTGAAGAGACCTCCAGGTGGCTGCAGTCTGAAGTGGAAAG
 CTGGCTTCTGGCCAATCAGGCTGTGATGTAACCTTCAATGGACCTCGGGCCCTGGCCCATCTGCAAGCC
 CTGACCCCGAGCCTGGACTGTTCCCACTACCTGAATTGCCACAACCTGGACCCAATGGTCTTAGGCACTC
 CAGAGGCCACGAGGCTGCGCTGGGTAGCAGCTACCCCTCACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207313 protein sequence
 Red=Cloning site Green=Tags(s)

MTVARWLRLWERQAMLHVTWGSKVRLWLSLVPALLGTPRALSSLENRMGVYRKMWNPKPCDWAQQYRER
 FIPFSKEQLLRLLIQEFHSSPAERAALAEFSAHVDFCTLFHYHQLLARLQALYDPINPDRETLDQPSLTD
 PERLSSEKDVLRPLLAQANFSPLSEDALAYALVVHHPQDEVQVTINLDQYIYIQFWALGQRVGQMPH
 KSSVGSKRGFRRKLPVERRYFKRVVLAARTKGGHLVLKSFKDTPLEGLEQLPELKVTRTPVLQRALLNL
 MLVVSGVMIFVNVGMVILSDLKMATSLLLLLFAAFMGVKASKVFGQRRSAQALELAHVLYYRSTSNNSL
 LSALALRAQEEHIKEALLAHSFLARRPGGSQGKPEETSRWLQSEVESWLLAQSGCDVTFNGPRALAHLQA
 LTPSLGLFPLPELPQLDPMVLGTPEATQAALGSSYPSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_144801

ORF Size: 1377 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_144801.1](#), [NP_659050.1](#)
RefSeq Size: 2184 bp

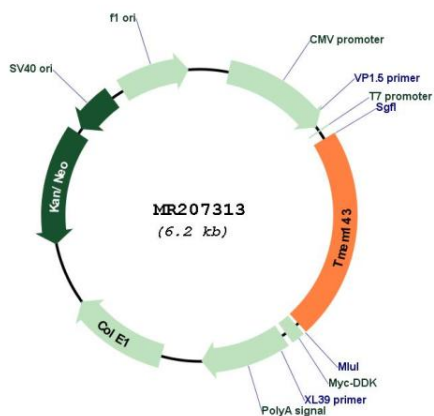
RefSeq ORF: 1377 bp

Locus ID: 70209

UniProt ID: [Q8VD26](#)

Cytogenetics: 7 B3
 MW: 51.6 kDa

Product images:



Circular map for MR207313