

Product datasheet for **MR214134**

Tmem44 (NM_172614) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem44 (NM_172614) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem44
Synonyms:	1700007N03Rik; 9330161C17Rik; B230220N21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR214134 representing NM_172614
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGGGGGCTAGCGCCGCCCCCGCTCTTGAAGTGGACTACCTGGAGCGCTGCTTCGCCCGCC
 GCCCGTCTGCATCTCCTTCGGCCTGTGGATCTGCGCCGCTGCTGCTGGATCGCTGCCACACGCTGAT
 TCTCTACCTGAGATGCACAAAGAAGTGTAGCCAAGACCAGTGCACACTGTGCGCTGCGTTCTGCCTCCTA
 ACGAGTCTGTGTGACACCGTGGGGCGATTCTGGCCAGGCAGCTCACGATCCAGGTGTTCACTGGGGCT
 ACCTAGCAGTGTGATTTTCATGAACCTTCACTGTTCACTCTCTTTCTGTCTGTGGATCCAAATCCAAGTC
 CAAGTCCGGTCAGAGCAGCAGGGAGAGGAGAAGAAGGCATCTGAGAGCCAGTGTGTTCCGCCTGGCTCTG
 CCTCTGAGCCTGGGTCCAGGCTGGGCAATCTGGACCGCTATCCCCAAGGCTCCAGCCCCAGTCCGTGGGC
 CACAACGGAGGCTCCTGGGAAGCCTTCTGCAGGAAAACCCGGAAGTCTTCGGCTACCTGCTGGGTGCTAT
 TGCTGCCTTTGGCTCCTGGGCATCCCGGATCCCTCCATTCTCAAATATCTGTCGGGGCAAGTCACTCTCC
 TATATCCACCTGTGGACCCGGTTCTGTGAGCTCTGGCTGGTCTCCTCTACGCCTCGGCCATCGTGGCTC
 ATGACCGGCAGCCTGAATACCTCCTCAGGCCACACCCTGGTTCCTGATTTCACTGGGCCGAGCTGCGCT
 GGACCTTGCTATCATCTTTCTGTCTGCTGATAAAGAGCAGGATGAGCCGAGCCTTCAGATTTGTACATA
 GCTGAAGCCAGAGAGAGTCCGACACACAAGCCCTTTTGAACCTGTGCAGAGAAGGAAGAAGAAAACCAGG
 AGGCCAGGACGGAGGACAAGAATCAGACTGGGTGCCTCTGACCAGCCTGTCACTGCAAGCCCTGAG
 GACAATGACAGCCATCAGTCGCTACATGGAGCTGACCATGAGCCTGCCAGCAGGAGGCTGTAGCGCC
 ACCAGGCTGCCCGGTGACGGGCAGACAAGCACCAGAGACGCCCTCGCAAGAGCCTCCCTCATACCCTC
 CCATCCAGGTCATCCAGGCCAGAGTGTCTTCCAGCAGCTCCTCCGAGGTCTCCTCCATCAACTCGGACCT
 GGAGTGGGACCCTGAAGATGTCAACCTTGAAGGAAAAAGGACGGGGAACCTTAGAGTGCAGGTGCGC
 AGGGCCTCTTTGAGCCCCGTGGATTTGGCCTCTGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214134 representing NM_172614
 Red=Cloning site Green=Tags(s)

MEEGASAAPLLNWDYLERCFARRRVCISFGLWICAACWIAAHTLILYLRCTKKCSQDQSTLCAAFCLL
 TSLCDTVGAILARQLTIQVFTGAYLAAVDFMFMFTLFPVCGSKSKSGQSSRERRRRHLRASVFALAL
 PLSLPGWAIWTAIPKAPAPVRGPQRLLGSLLENPEVFGYLLGAIAAFWSWASRIPPFVSNICRGKLS
 YIHLWTRFLSALAGLLYASAIVAHDRQPEYLLQATPWFLISLGRAALDLAIIFLSCVIKSRMSRAFRFAT
 AEARESADTQALLTCAEKEEENQEARTEDKNSDWVPLTSLSHCKPLRTMTAISRYMELTIEPAQQAGCSA
 TRLPGDGQTSTRDAASQEPPSYPIQVIQARVSSSSSEVSSINSLEWDPEDVNLERKKDGELLRVQVR
 RASLSPVDLASDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_h02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_172614

ORF Size: 1299 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_172614.3](#), [NP_766202.3](#)

RefSeq Size: 4241 bp

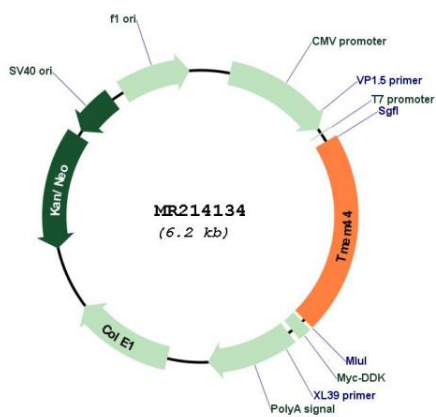
RefSeq ORF: 1302 bp

Locus ID: 224090

Cytogenetics: 16 B2

MW: 48.2 kDa

Product images:



Circular map for MR214134