

Product datasheet for **MR210776**

Tmc6 (BC004840) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmc6 (BC004840) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmc6
Synonyms:	D11Erttd204e; EVER1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210776 representing BC004840
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCTCAGTCACTGGCTTTAGCCCTCGATGTCCCGGAGACCACGGGAGACGAAGCCTGGAGCCCAGCC
CCTATGAAGAAAGTGAAGTCCATGACTCCTTCCACCAGCTCATCAAGAGCAAAGCCTTCGGGTGGCGGA
GGAGGGGCTGGAGCTACTGCCCTTGGGTCTAGGCAGAGGTGACCAGACCCTCCCAGGACTTGAAGGTGCT
CCTGCCCTTAGCTCGGCCACTCTCCGCATCCTGGCCAGCATGCCAGCCGTACCATTTGGTCGCAGCCGTG
GGGCCATCATCTCCAATACTACAACCGCACAGTGAGGCTTCGGCGCAGGAGCAGCCGGCCCTTGTGGG
CAATGTGGTGCCCTTGCCCGGCCAGCCTTCGCCTGTATGACCTGGAGCTGGACTCCACAATCTTGGAG
GAGGATGAGAAGCGGAGTCTGCTAGTAAGGAGCTTCAAGGTCTGTGGCGGCCAGAGGGACCACATGG
TGCGGAACATGCCCTTGGTCTGGGTGAGAAGCGCTGTCTTCGAGAGAAAAGTTGGAGCCCAAAGGGAAA
GCGGCGGCACCTGCAGGGTCAAGCGGGGCCCTTCTCCTGTGTAGCCGGCTCAGATACACCTGCATGCTG
GCTCTTCATAGCCTGGGGCTGGCACTGCTCTCAGGCTGTATGCTGCCAGGCCGTGGCGCTATGCTCTGA
AGCAGATCGGTGGCCAGTTTGGCTCCAGCGTCTCTCCTACTTCTCTTCTCAAGACCCTGTTGGCCTT
CAACGCGCTGATGTTGCTGCCTTGTGGCCTTCTCGTGGGTGTTTACGGCTGCCTTCCACCTGACCCA
GCAGGCCCGTGCCCTACGTTTTCTGGTCTGGAACCTCTCACAGGCCGGGGCCGGTTCACACACACAGTTA
TGTAACAGGCTACTACAGTAACAGCACGCTGAGCCCGTCATGTACGCCCTCGGAAGGTGGCCAGTG
CAGTCCCAGGCTGGGCAGCCTGCCCTAACATGCCGCTGGCCTACCTCTTACAATGGGGGCCACCTTC
TTCTTACCTGCATCATTCTGGTATACAGCATGTCCACTCCTTTGGGGAGAGCTACCGGTTGGCAGTA
CCAAGGGTATCCATGCCCTTACGGTCTTCTGCTCCTGGGACTACAAGGTGACACAGAAGAGGCTTCCCG
TGTCACACAGGACAGCATCTGCACTCAGCTGAAGGAGCTGTTGGCTGAATGGCACCTTCGAAAGCGCCT
CGGAGTGTGTGGGGCAGCTGAGGCAGGTCTGCTTCTAGGTCTGGGGTGGCTGCTGTGTCTGGGCTCCA
CAATGGGCTGCACGGTGGCTGTCTCACCTTCTCAGAGGTAATGATTGAGAGACCTGCTTCTGGTGGCCA
GGGGGTGGAGGCTTGGCCTTGGCCCTGGTGGTCAAGTGTCTTAACTGGGTGCCCTACCTGTTCCGT
GGTCTAGCCACTCTGGAGCGACATGACTCCCCTGTGGTGGAGGTATACATGGCCATCTGCAGGAACCTCA
TCCTGAAGATGGCCGCTCTGGGTGTCTTTGCTATCACTGGCTGGGCCGAGGGTGGCCACCCTGCAGGG
TCAGTGTGGGAGGACTTTGGGGCCAGGAGCTGTACCGCTTCATGGTCTGGATTTTATCTTTCATGCTC
TTGGACTCCCTTTTGGAGAGTTGGTGTGGAGGCTCATCTCAGAGAAGAAGCTCAAGAGGGGGCAGAAGC
CTGAGTTTGACATTGCCAGGAATGTGCTGGACCTGATTTATGGACAGACTGACCTGGCTGGGCGTCTCT
GTTCTCACCGCTCCTGCCTGCAGTACAGATTCTCCGGCTGCTCTTCTTTCCACATCAAGAAGGCCAGC
CTGATGGCCAACCTGCCAGGCACCACGCCGACCCTGGCTGGCCTCGCACATGAGCACTGTCTTCTCACCT
TGCTCTGCTTCCCGTCTTCTGGGCGCTGCTGTTTTCTCTGCTATGCTGTCTGGCAGGTGAGGCCCTC
GAGCACTGTGGCCCTTCCGGACTCTGAACACCATGTATGAAGCAGGCACGGTCTGGGTGCGTGCCTG
GAGCATGCAGGCTCCGGAGCCTCCTGGCTGCCCTGGCTGCACCACTTCTGGTGGAGAACAACCTTTCTTCC
TCTTCTGGCTTACGCCCTGCTGCTGGTGTCACTACTTCAACATCCAGGTGGTGAAGGACAACGGAA
GGTCATCTGCCTGCTCAAGGAGCAGATCCGGAATGAAGGAGAGGACAAGATCTTCTGATCAACAAGCTT
CACTCTGTTTACGAGGAGGAGGGAAGGAGCAGGCTGGCAGAACCAGGATGCTACTGAACCACCTGCCT
GGCATGAGGATGGAGGGACCAGAAGGAACCCTGTAACCCCGGTCAACCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210776 representing BC004840
Red=Cloning site Green=Tags(s)

MAQSLALALDVPETTGDGDELEPSPYEESEVHDSFHQLIQEQSLRVAEEGLELLPLGLGRGDQTLPGLEGA
PALSSATLRILASMPRTIGRSRGAIISQYYNRTVRLRRRSSRPLLGNVVP SARPSLRLYDELDSTILE
EDEKRSLLVKELQGLSAAQRDHMVRNMPLSLGEKRCLREKSWSPKGKRRHLQGRSGAFSCCSRLRYTCML
ALHSLGLALLSGLYAARPWRYALKQIGGQFGSSVLSYFLFLKTLAFNALMLLPLLAFLVGVQAAFPDP
AGPVPTFSGLELLTGGRFTHTVMYYGYYSNSTLSPSCDAPREGGQCSPLGSLPYNMPLAYLFTMGATF
FLTTCIILVYSMSHSFGESYRVGSTKGIHALTVFCSDYKVTQKRASRVQQDSICTQLKELLAEWHLRKR
RSVCGQLRQVVVLGLGWLLCLGSTMGCTVAVLTFSEVMIQRPASGGQVEALALPLVSVLNLGASYLFR
GLATLERHDSPVLEVYMAICRNLILKMAVLGVLCYHWLGRRVATLQGCWEDFVGQELYRFMVVDFIFML
LDSLFGELVWRLISEKKLKRQKPEFDIARNVLDLIYGQTLTWLGVLFSPLLPAVQILRLLFLFHIKKAS
LMANCOAPRRPWLASHMSTVFLTLLCFPSFLGAAVFLCYAVWQVRPSSTCGPFRTLNTMYEAGTVWVRR
EHAGSGASWLPWLHHFLVENTFFLFLASALLLAVIYFNIQVVKQQRKVICLLKEQIRNEGDKIFLINKL
HSVYEEGRSRPGRTQDATEPPAWHEDGGDQKEPCNPRSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9012_h12.zip

Restriction Sites: SgfI-MluI

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: [BC004840.1](#)

RefSeq Size: 2848 bp

RefSeq ORF: 2432 bp

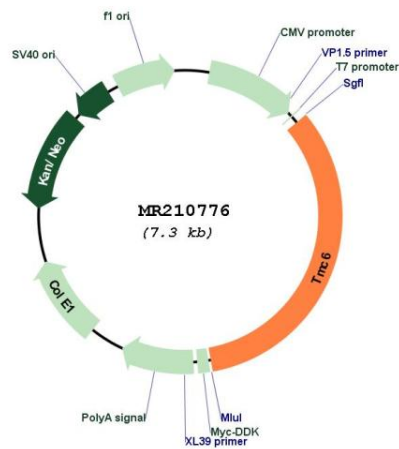
Locus ID: 217353

Cytogenetics: 11 82.96 cM

MW: 104.4 kDa

Gene Summary: Probable ion channel.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210776