

## Product datasheet for **MR210775**

### **Tmc6 (NM\_145439) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmc6 (NM_145439) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmc6
Synonyms:	D11Ertd204e; EVER1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR210775 representing NM\_145439  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCAGTCACTGGCTTTAGCCCTCGATGTCCCGGAGACCACGGGAGACGAAGCCTGGAGCCCAGCC  
 CCTATGAAGAAAAGTGAAGTCCATGACTCCTCCACCAGCTCATCAAGAGCAAAGCCTTCGGGTGGCGGA  
 GGAGGGGCTGGAGCTACTGCCCTTGGGTCTAGGCAGAGGTGACCAGACCCTCCCAGGACTTGAAGGTGCT  
 CCTGCCCTTAGCTCGGCCACTCTCCGCATCCTGGCCAGCATGCCAGCCGTACCATTTGGTCGCAGCCGTG  
 GGGCCATCATCTCCAATACTACAACCGCACAGTGAGGCTTCGGCGCAGGAGCAGCCGGCCCTTGTGGG  
 CAATGTGGTGCCCTCGCCCGCCAGCCTTCGCCTGTATGACCTGGAGCTGGACTCCACAATCTTGGAG  
 GAGGATGAGAAGCGGAGCCTGCTAGTAAGGAGCTTCAAGGTCTGTGGCGGCCAGAGGGACCACATGG  
 TCGGAACATGCCCTTGGTCTGGGTGAGAAGCGCTGTCTCGAGAGAAAAGTTGGAGCCCAAAGGGAAA  
 GCGGCGGCACCTGCAGGGTCAAGCGGGGCCCTTCTCCTGTGTAGCCGGCTCAGATACACCTGCATGCTG  
 GCTCTTATAGCCTGGGGCTGGCACTGCTCTCAGGCTGTATGCTGCCAGGCCGTGGCGCTATGCTCTGA  
 AGCAGATCGGTGGCCAGTTTGGCTCCAGCGTCTCTCCTACTTCTCTTCTCAAGACCCTGTTGGCCTT  
 CAACGCGCTGATGTTGCTGCCTTGTGGCCTTCTCGTGGGTGTTTACAGCTGCCTTCCACCTGACCCA  
 GCAGGCCCGTGCTACGTTTCTGGTCTGGAACCTCTCACAGGCCGGGGCCGGTTCACACACACAGTTA  
 TGTAACAGGCTACTACAGTAACAGCACGCTGAGCCCGTCATGTACGCCCTCGGAAGGTGGCCAGTG  
 CAGTCCCAGGCTGGGCAGCCTGCCCTAACATGCCGCTGGCCTACCTCTTACAATGGGGGCCACCTTC  
 TTCTTACCTGCATCATTCTGGTATACAGCATGTCCACTCCTTTGGGGAGAGCTACCGGTTGGCAGTA  
 CCAAGGGTATCCATGCCCTTACGGTCTTCTGCTCCTGGGACTACAAGGTGACACAGAAGAGGCTCCCG  
 TGTCCAACAGGACAGCATCTGCACTCAGCTGAAGGAGCTGTTGGCTGAATGGCACCTTCGAAAGCGCCT  
 CGGAGTGTGTGGGGCAGCTGAGGCAGGTCTGCTTCTAGGTCTGGGGTGGCTGCTGTGTCTGGGCTCCA  
 CAATGGGCTGCACGGTGGCTGTCTCACCTTCTCAGAGGTAATGATTGAGAGACCTGCTTCTGGTGGCCA  
 GGGGGTGGAGGCTTGGCCTTGGCCCTGGTGGTCAAGTGTCTTAACTGGGTGCCCTACCTGTTCCGT  
 GGTCTAGCCACTCTGGAGCGACATGACTCCCCTGTGTTGGAGGTATACATGGCCATCTGCAGGAACCTCA  
 TCCTGAAGATGGCCGCTCTGGGTGTGCTTTGCTATCACTGGCTGGGCCGAGGGTGGCCACCCTGCAGGG  
 TCAGTGTGGGAGGACTTTGTGGCCAGGAGCTGTACCGCTTCATGGTCTGGATTTTATCTTTCATGCTC  
 TTGGACTCCCTTTTGGAGAGTTGGTGTGGAGGCTCATCTCAGAGAAGAAGCTCAAGAGGGGGCAGAAGC  
 CTGAGTTTGACATTGCCAGGAATGTGCTGGACCTGATTTATGGACAGACTGACCTGGCTGGGCGTCTCT  
 GTTCTCACCGCTCCTGCCTGCAGTACAGATTCTCCGGCTGCTCTTCTTTCCACATCAAGAAGGCCAGC  
 CTGATGGCCAACCTGCCAGGCACCACGCCAGCCCTGGCTGGCCTCGCACATGAGCACTGTCTTCTCACCT  
 TGCTCTGCTTCCCGTCTTCTGGGCGCTGCTGTTTTCTCTGCTATGCTGTCTGGCAGGTGAGGCCCTC  
 GAGCACTGTGGCCCTTCCGGACTCTGAACACCATGTATGAAGCAGGCACGGTCTGGGTGCGTGCCTG  
 GAGCATGCAGGCTCCGGAGCCTCCTGGCTGCCCTGGCTGCACCACTTCTGGTGGAGAACAACCTTTCTCC  
 TCTTCTGGCTTCCAGCCCTGCTGCTGGTGTCACTACTTCAACATCCAGGTGGTGAAGGACAACGGAA  
 GGTCATCTGCCTGCTCAAGGAGCAGATCCGGAATGAAGGAGAGGACAAGATCTTCTGATCAACAAGCTT  
 CACTCTGTTTACGAGGAGGAGGGAAGGAGCAGGCTGGCAGAACCAGGACACTACTGAACCACCTGCCT  
 GGCATGAGGATGGAGGGACCAGAAGGAACCCTGTAACCCCGGTACCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210775 representing NM\_145439  
 Red=Cloning site Green=Tags(s)

```

MAQSLALALDVPETTGDGEGLEPSPYEESEVHDSFHQLIQEQSLRVAEEGLELLPLGLGRGDQTLPGLEGA
PALSSATLRILASMPSTRIGRSRGAIIISQYYNRTVRLRRRSSRPLLGNVVPSARPSLRLYDELDSTILE
EDEKRSLLVKELQGLSAAQRDHMVRNMPLSLGEKRCLREKSWSPKGKRRHLQGRSGAFSCCSRLRYTCML
ALHSLGLALLSGLYAARPWRYALKQIGGQFGSSVLSYFLFLKTLAFNALMLLPLLAFLVGVQAAFPPDP
AGPVPTFSGLELLTGGRFTHTVMYYGYYSNSTLSPSCDAPREGGQCSPLGSLPYNMPLAYLFTMGATF
FLTTCIILVYSMSHSFGESYRVGSTKGIHALTVFCSDYKVTQKRASRVQQDSICTQLKELLAEWHLRKRK
RSVCGQLRQVVVLGLGWLLCLGSTMGCTVAVLTFSEVMIQRPASGGQGV EALALPLVSVLNLGASYLFR
GLATLERHDSPVLEVYMAICRNLILKMAVLGVLCYHWLGRRVATLQGCWEDFVGQELYRFMVVDFIFML
LDSLFGELVWRLISEKKLKRQKPEFDIARNVLDLIYGQTLTWLGVLFSPLLPAVQILRLLFLFHIKKAS
LMANCOAPRRPWLAHMSVFLTLLCFPSFLGAAVFLCYAVWQVRPSSTCGPFRTLNTMYEAGTVWVRRLL
EHAGSGASWLPWLHHFLVENTFFLFLASALLLAVIYFNIQVVKQQRKVICLLKEQIRNEGEDKIFLINKL
HSVYEEEGRSRPGRTQDTTEPPAWHEDGGDQKEPCNPRSP
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

Cloning Scheme:



ACCN: NM\_145439

ORF Size: 2430 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\\_145439.3](#)

**RefSeq Size:** 2913 bp

**RefSeq ORF:** 2433 bp

**Locus ID:** 217353

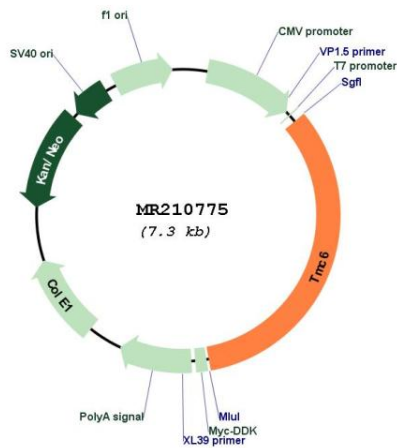
**UniProt ID:** [Q7TN60](#)

**Cytogenetics:** 11 82.96 cM

**MW:** 91 kDa

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

### Product images:



Circular map for MR210775