

## Product datasheet for MR229779

### Tmem184b (NM\_001253819) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem184b (NM\_001253819) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tmem184b  
**Synonyms:** 2610507A11; 4732495E13Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229779 representing NM\_001253819  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACAGTGAGGGGGCCGCGCTGGCCCCAGCCAGCGTCACCCACAACCACAACAGTTCACCTAGCG  
 TCTCTGCCACCCCGAGGGCAGCCCCACAGCCATGGAGCACCCCTGTGTTCTGATGACCACTGCCGCCA  
 GGCCATCTCCGGTCTTTGTGTGGACAGCTCTGCTCATCACTTGCCACCAGATCTACATGCATCTGCGC  
 TGCTACAGCCGTCCTCAATGAGCAGCGCCACATCGTGCATCCTTTCATCGTGCCCATCTACGCCCTCG  
 ACTCCTGGCTCAGCCTCCTCTTCTTCAACAATGACCAGTACTACGTGTACTTCGGCACCGTCCGAGACTG  
 CTATGAGGCCCTTGTCTATAAATTCCTGAGCTTGTGCTATGAGTACCTCGGGGAGAGAGTGCCATC  
 ATGTCTGAGATCAGAGGGAAGGCCATTGAGTCCAGCTGTATGTACGGCACGTGCTGCCTCTGGGAAAGA  
 CCTACTCCATCGGATTCCTGCGGTTCTGTAACAGGCCACCCTGCAGTTCGTGTGGTGAAGCCACTCAT  
 GGCCGTCAGCACCGTTATACTCCAGGCCCTTGGCAAGTACCGGGACGGAGACTTTGATGTCACCAGTGGG  
 TACCTCTACGTGACCATCATCTACAACATCTCCGTGAGCCTGGCCCTATATGCGCTCTTCTCTTACT  
 TTGCCACAAGGGAGCTGCTCAGCCCCTACAGCCCTGTCCTCAAGTCTTTCATGGTCAAGTCGTCATATT  
 CCTCTCCTTCTGGCAAGGCATGCTGCTGGCCATCTTAGAGAAGTGCAGGGCCATCCCAAGATCAACTCA  
 GCGCGAGTGTGAGTGGGTGAGGGCACCGTGGCTGCCGGCTACCAGGACTTCATCATCTGTGTGGAGATGT  
 TCTTCCGGCCTTGGCCCTGCGGCATGCCTTCACTACAAGGTCTACGCTGACAAGAGACTGGACGCTCA  
 AGTGTGACGTACGGCCATACGGCCGCTGCGCCCCATGAAGAGCATCTCCAGCAGCCTCAAAGAGACC  
 ATGAACCCACACGATATTGTGCAGGACGCCATCCACAACCTCTCGCCAGCCTACCAGCAGTACACGCAGC  
 AGTCCACTCTGGAGCCCCGGGCCACCTGGCGTGGCGGCACGCACGCCTTCCCGCTCCACAGCCTTAG  
 TGGTGCACGCGACAATGAGAAGACTCTGCTGCTCAGCTCTGATGATGAGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229779 representing NM\_001253819  
Red=Cloning site Green=Tags(s)

MTVRGAALAPDPASPTTTTASPSVSATPEGSPTAMEHPVFLMTTAAQAISGFFVWTALLITCHQIYMHLR  
 CYSRPNEQRHIVRILFIVPIYAFDSWLSLLFFTNDQYVVYFGTVRDCYEAFVIYNFLSLCYEYLGGESAI  
 MSEIRGKAIESSCMYGTCCCLWGKTYSIGFLRFCKQATLQFCVVKPLMAVSTVILQAFGKYRDGDFDVTSG  
 YLYVTIIYINISVSLALYALFLFYFATRELLSPYSPVLKFFMVKSVIFLSFWQGMLLAILEKCGAIPKINS  
 ARVSVGEGTVAAGYQDFIICVEMFFAALALRHAFYKVVYADKRLDAQVLTYPYGRCAPMKSISSSLKET  
 MNPHDIVQDAIHNFSPAYQYQTQSTLEPGPTWRGGTHLSRSLSL SGARDNEKTLSSDDEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

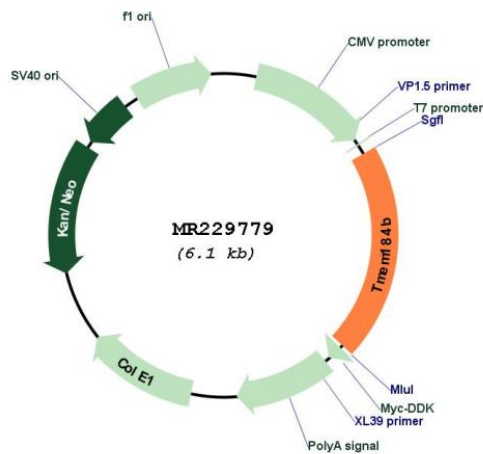
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001253819

<b>ORF Size:</b>	1242 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001253819.1</a> , <a href="#">NP_001240748.1</a>
<b>RefSeq Size:</b>	3357 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	223693
<b>UniProt ID:</b>	<a href="#">Q8BG09</a>
<b>Cytogenetics:</b>	15 E1
<b>MW:</b>	46.8 kDa
<b>Gene Summary:</b>	May activate the MAP kinase signaling pathway.[UniProtKB/Swiss-Prot Function]