

## Product datasheet for **MC204164**

### Tmem214 (NM\_144525) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem214 (NM_144525) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem214
Synonyms:	1110039B18Rik; 4921530J21Rik; AI841294; AU018742; C76280
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC029150  
GCTGAAGTCATGGCGCCAGATCAGCGGGTAGCGGTGGCTGGGAGGTGGTGAAGAGGGGCCGGCAGCCTG  
GAGCAAGCAGCGGTGGGCGAGGCGGGCGGGTGGCAGTGACCGCCGGGCGCTCGGGGAGGCAAATGGAGT  
GTTGAAATACGACCTGAGCTCACCAATCCAGACTACAAGCACTCTTTATGAGCGTGGCTTTGAGAAAATC  
ATGAAACGGCAGAATAAAGAGCAAGTTCACCCCTGCTGCAGAGTCTAAGAAACCGATAAAACAAGAAGC  
AACCAAAGAAGGTGACAGCTGTTCTAGCCAAAACAGAAACAGGGCCCATTCGACGCCCTGGAGGACGC  
ACTGAAAGCGCTGGATGTGGCAGCTCTGCAGAAGGAACAGCAAGAGCCAGAGCGTGTCTACTGGGAAC  
CCCTCCGTGTGGCTGAAGGACCTGGCCAGCTATCTCAACTACAAGCTCCAGACTCCACGGATGGAGCCCA  
CTCTGAGCCAGTATCCACATGATTATCCCTACAGCCTTGTGAGCCGAGAGCTACGTGGGATCATCCGGGG  
GCTCCTGACCAAAGCTGCAGGGTCTGTGGAGCTCTTTTTGACCACTGTCTATTACCATGCTGCAAGAG  
CTGGATAAAAACACCAGGGGAGTGCCTACATGGGTACCGCATCTGTATTCAAGCCGTTCTGCAAGACAAGC  
CTAAGATTGTCACCTCAAACCTGGACAAGTTCCTAGAGCTTCTGCGGTCCCACCAGAGCCGACCAGCAA  
GTGCCTGACCATCATGTGGGCCCTGGGCAAGCGGGTTTACCAACCTCACTGAGGGACTGAAAGTGTGG  
CTGGGGATCATGTGCCTGTGCTGGGCATCAAGGCTCTGTCTCCCTTTGCCATCGCATACCTGGACCGGC  
TGCTCCTGATGCATCCCAACCTACCAAAGGCTTTGGCATGATTGGCCCCAAGGACTTCTCCCCCTTCT  
GGACTTTGCCTATATGCCAACAATTCCCTGAGCCCCAGCTGCAGGAGCAGCTGTGCCAGCTCTTCCCC  
CGATTGAAGGTGCTGGCATTGGGGCCAAGCCGAATCTTCCCTGCACACCTACTTCCCGTCATTCTCTGT  
CCAGAGCCACCCCTAGCTGTCTGCTGCCATGAAGAAAGAGCTCCTGGCCAGCCTGACCCAGTGCCTGAC  
TGTGGACCCCTTAGCACTAGTGTCTGGAGACAGCTGTACCCCAAGCATCTGTACAGTCCAGCCTGCTG  
CTGGAGCACCTACTCAAGTCTGGGAGCACATCCCAAGAAGGCACGGAAATCTTTACAAGAAACCATCC  
AGTCCTTGAAGGTTACCAACCAGGAGCTTCTGAAGAAGGGCAGTGGTGGCAGTGAGCATGTTCTCACCTG  
TGACACAGCCTGCAAGGGCTTGTGCAACGGGCACGGGGTCTCGGCCACCCTGGGCCCGGCTATTCTCTG  
CTGCTTCTGGTCTTTCAGTAGGATTCCTATGTATGACTTGGCGTCAAACAGCTCTTTGCAGGCCTCCC  
TCACTGGCCCGGCTGTTGATCCTCCGGTCTCTTGCCTGTTGGCCAGCAAGTGTGTGAGACTCTCCTC  
CTACAGCCTGCAGAGCTACAACCTGGCTGCAGGAGACCTTGCCAGCCTGTGGCTCCACCTGCTTGTGTG  
GTACAGCCAGTCTGCAGCTGGCCTGGACACACATCTATGCCATATTAGCTTCTTTTCTGCCACTGTG  
CCTCCTACCTTGCTGCTTCAAGTATAGCTGGCTGGCTTCTTTTCCAGAGGGTCCAGCTCCCTGAGGCCCT  
GCAGCAGCTCTTCCAGCCTTGAAGGAAGTGTGCTGCTCTTCTGCCATAGCGTGTGCTGCCACATGG  
CACTTGTGCTTGCAGCCCTGGCCCAAGTCCAGGAGCATTGCCATGAGGCCTGCAGAGGGGACGTGACCT  
GGGACTGCATTAAGACACAGTTGAGCAGAGCTGCCAATGGACCTGGCTCTGCCTGCAGGATGTCACAGT  
GGCTTTCTTGGACTGGGCACTACCATGATATCCAGCAATAGACCTGCCTGCCTGGCCACTGGTTCTG  
TGGTGGGTACCTATCGGAGTAGAGGAGGCAGCCCTTCTCACTTGGTGCCTGACTTCTGCCTCCTAGGCA  
AGAGACCAGGTATCTGCCTCACTTCTCCATCTTCAAGGAGACTGGACAGGAGCATCCAGCCTCCTGTCCA  
CAGGCCTGTGAGGTCTCTCAGGCCAGTTGCACAGCATCCAAGCCTCTTCTAGGCTGGGAGCCTCTCCAC  
TTCTCCCTGTGGTCTCCCATCACTCAAGCAGCCACAGTCCACCTCCAAAGAAGAGAAGTAAGTGCCT  
TTTCTTGTCCCTGGTCACTGACTTAAATCACAGCAGAGAAAAGGAAAGCACTTCAAGAGGGCCAGCACCA  
CAGTGGGACGACAGTGTCACTTCTACCAGCAGCCTAGGTGACTGTGAGTGGACATGCAGGCCATGTGG  
ACAGCCTGTTACCTCAAACACCCAGAACAAGCACGCCTTCCAGGAGGCCACTTGTCCCCTACTCTGTC  
AGAGCCTTGGCTTCTCAACTCCATTCTGCTCGCTGCTGGGGCTCCTCTATCAGCTTGGTTCACAGCAC  
AGCCACCTGAAGAGCAGCGCCCTCTGTACGCTGCTGAAGGGGTCAGCATATGGCTCCTGGGGAGAAT  
AAAGACACAGACTGGAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_144525  
**Insert Size:** 2064 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<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="#">BC029150</a> , <a href="#">AAH29150</a>
<b>RefSeq Size:</b>	2762 bp
<b>RefSeq ORF:</b>	2064 bp
<b>Locus ID:</b>	68796
<b>UniProt ID:</b>	<a href="#">Q8BM55</a>
<b>Cytogenetics:</b>	5 B1
<b>Gene Summary:</b>	Critical mediator, in cooperation with CASP4, of endoplasmic reticulum-stress induced apoptosis. Required for the activation of CASP4 following endoplasmic reticulum stress (By similarity).[UniProtKB/Swiss-Prot Function]