

## Product datasheet for **MC224740**

### Tmem131l (NM\_172681) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tmem131l (NM\_172681) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tmem131l  
**Synonyms:** D930015E06Rik; Kiaa0922; mKIAA0922  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224740 representing NM\_172681  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGGGCTCCGGCGCCCGCAGTCCGGCGCCTACCGCCGCACGGCCGCTGCCGTGAACCTTCTGCTGG  
 GCGTCTTCCAGGTCCTGTCTGCTGCTGCCGTCCGGGAGGGGCTCAGGGACAAGCGTTTGTAGCCCTTGCC  
 GAACGTGGTGGAGCTGTGGCAGGCAGAAGAAGGGGAACCTCTGCTGCCCACTCAGGGTGATTCTGAAGAG  
 GATATGGAGGAGCCTTCTCAAGAACAGAGCTTCTCAGATAAACTGTTTCATTGGAAAAGGCTTACATTTTC  
 AGCCGTACGTTCTAGATTTTGAATACAGTTTCTGGGACATCCTGCGGCGAAGCTTCTCTATGCCTACAA  
 CCCCAGCAGGGAGAGCGAGGTTGTGGTGAACCTCAGTGTTTACAGCTGCTAGACATTTCCATGTGCCGCCCT  
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 GGAGCATCGAAAGCTCTTATTTATTAATACCTCCTCACAGGAGTCTTCTCCTATCATGTATCTGGAGT  
 GGGCACTCGCAGAGTCTCTACAGAAGGGTCTGCGGAGCAGCTGCCGAACGCATACTTTCTGCTTCCACAG  
 GTCCAAAGTATTCAGCTTTCACAGACACAGGCAGAGACCACTAATACCAGCCTGCTGCGGGTGAACCTGG  
 AATGCAGTTTACATAAATGAAGTGTGTGAGCAATGAAGAGTTGCTCTCTGGGATCTGATGATGCGCTACA  
 CTTGGAGATGAACATCATTGTAGCAGTGGAAAACCTCCTCAAGCAACCTGAAGAGAACACTCAAGCCCTG  
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 TGTATGTACTGCATTAGGAAACAGCCTTATTTGGATACAGGATATACATCATTCTCACAGAAAAATGT  
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 ACTTGCAAAGCAGGTACCTCGTGTGACAGTGAATCATGGGCCTGAGGAAAAAAAAGCTAGCCCAGCAA  
 TGCAAGCCTGCCTCTCCTGTGGTGCAGGGGATTTTCAGAACGGATGCCTCTACAGCCAGTTTCA  
 CATAGAGAGTACGAGACTGCAACAGGAGTCTGGTCAATATGGTACCGCAGCCATTTTGACCAGAGCATT  
 GTATTAAGATGTGTTTGTTCAGGAGACCAAGCACATTTTAAAGGTTCTGAGTTTCCGAGGCCCTT  
 TATTTCTACCCCAGGCTGTTGGAATATATTTTCTCTGAAGCTTGTGTTAAAGGCAATTGTCTTAAACCT  
 GTTCACCAATGATTTTCTGACTACAAACACAGGTGCCATTTTGAATACCTCTGCAGATTTTCTCGGCC  
 CCAACCAAGGAAGGGAGTCTGGGTTTTGAAGTGTAGCACATTGTGGCATGCATTATTTTCATGGGAAAGT



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CAAAAACAGAAAATCCTAATTGGGAAAGAAGCCTTTCTCTGGATCGGTCCACCTGGGACATGGATTCTGA  
 ACTTGCAAATAAGCTGTATGAAAGATGGAAGAAATATAAAAGTGGCGATGCTTGCAGAAGAAATGTTTTG  
 GGAATGTCTCAGTTTGCATTTACAAAGAAATCCAAGGAGACAGAGCCGTTTGTCTCCTTTTTGCCTCGT  
 TGGTCCCAGAACCAACCTTGTGTTGAACCTCAGTGCCACCGCCCTCAGGAACAGTGCAGTGAAGTACTT  
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 GAAGCCGACGTGCGCCTGCTCCACAAATGGTTTGGCACAGATATGCAGATGGTTAATCTCTCAACTGGTG  
 AATTCCAGCTCAGCAAGCTTGCCTTACCAGGCGAACCTTCTGAGGAGTCCAGTTGGGAGCTTCTCA  
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 AATAGCCTTCCAGCAAGCACAGTACATTTTGTGGAATTCATGAAAACAAGACAGAGGCAAAAACGGCAGC  
 TCCTCTTCCCAGCAGAACGGTGTCCAGTGGCTATGATCAGTTCCCATCCTCACAAAAGCACTTGAAGA  
 ACTTCTGGACACATACAGCCACTGTGACAAAGGTAGAGGGAAGAGCTGCCTTCCAGTGGGCCATCCCT  
 GAGCAGGCTGCAGAAATGCCGCCAAGAGGAGCCCGCCACCTATGGTCATTCTCAGAAGAAGCATAAATGC  
 TCCTTCTACTACAGCAACAGAGCCAGTGCATCTGCGGCCAGCAGTGCCAACGTTACCACTGAGGAGA  
 AGCAGAGTGTGACCTGGCAAGCTCCCTGTCTGTGGCCAAGGAAGACATTTGACTAATGTCTCCTCAGTA  
 GAACTGGGTGACCTCAGATATGCCAGTGGCATCAATGGCAGCTTGCAGAAGAATCTAACCTTCCAAA  
 AATGTACTGCACAAAGAGGAAAGCTCACTGAAAAACACAGTTGTACTAACACTCCTTCCAGATGTAGTA  
 TGAAGGAGGGAGTACACACATATGTTTTCTAAGGAACTGACAGCAAAATTTAGAGAATGTGGCTGA  
 GCTCAAGGAACAAGAGCCCTGTCCACAGAAGACTTCTAAGAAGCCACCTGAAAGTACTTTGCCAAAACC  
 CCACCTCAGTACCTTCACTCAGACTTGGCAGAAGTTTCCAGGAAACATGGAAATAAGCAGCAAGCGCCTG  
 TCAGGAGTGAAGTGGACAGCTTTGAGCCTGTGAGAGCCGCTGACGCAGAGCCGCTCCTCAGTGAAGAAC  
 GCAGGGGGCATCTCCAGAAGACAGTGTCCGAGAAGCAGGACACACCTTCAAGCAGAGCAGGAAGATCCT  
 TCCAGGAAGGAAGCTTCAAGAGAGGAGAGAAGGAAGCACACAAGCCCTCAACTGGAATAAAACCCGAC  
 CTTGTAGGAGAAAACAAGAAAAGGCCTCTGCCAGGCCTCCAGTTCTCCAGGCCTTCTGAGCAGAGCGA  
 ACAGAGGCTTGTCTGCAGTGCAGTGCAGAAAGTGGTGTGCACAGGACGGCGCTGGGAGAAATGTAAGGCT  
 GGCACGGAAGTTTCGGGACGCTCCCTGAACGGAGAGAGGAGGACAGTACTACCAGAAGTCTGAGAAGA  
 AGTGTGCAGACAAGTTTTGCTCGGACTCTAGCTCCGACTGTGGCAGCTCCTCCGGCAGTGTGCGGGCCAG  
 CCGGGGACGCTGGGGCAGCTGGAGCAGTGCAGCTCTGATTGTGACAGGAGGCCAGTGGTGGACATACAG  
 CACTTCTGCCACCTGGAGATGGTGTTCACACAGAATTTCCCTTCCAGAAAGTTCGGTCCCCTTGAGCC  
 TCCCACAGCAGTCTGCAGCTCTACAGATGTGAGTGTCTGCCTGAGTTCACAGAGTCCCCTGTCTGG  
 TCTTCTGCCACCTGCAGGTGCTGGAGAAGAGAAAGGTCTGTATCCACCCGGAGGCCCTGTGCCCTTCC  
 CAGCCAGTGTGTCTGACCAGCAGCTTCAACTGCCAGTGGAGAAGGTTGCCCCAGGGGTGTCTCAGGAGC  
 CCACCTCCATCCCTGACAGCAGTTTCATTGATTGGAGTGCATCCTGCGAAGGCCAATTTCCAGTGTGTA  
 CTGCCCTCTGAACTGAACGATTACAATGCCTTCCCAGAAGAAAACATGAATTATACCAATGGCTTCCCC  
 TGCTCCTCGAAAGTTCAGACGGACTTCAATGGCCACAGCACCCCTCTACCTGGAACACTCCGGCCAGCA  
 TGCCCGCTGCCTGGGGCCATGCCAGTCTCGTCAACTCTCCATCTACCTCAGGAGACCCGAAGCTTGT  
 TCCCATGTCTGGACTCTTTGGTTCCATCTGGGCCCCACAAAGTGAAGTGTATGAAACCTGCTGCCCATC  
 AGCCCTGCCACAGAGCATGCAACCCACATGGAAAACCAGGTGATGTGCAAGGAGTACTACCTGGGCTTTA  
 ACCCGTCCGTGCCTACATGAACCTGGACATATGGACTAGCACAGCAAAATCGAATGCAAACTTCCCCT  
 GTCAGAGACTCCAGCTACTGTGGAACATGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

<b>ACCN:</b>	NM_172681
<b>Insert Size:</b>	4794 bp
<b>OTI Disclaimer:</b>	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="#">NM_172681.4</a> , <a href="#">NP_766269.3</a>
<b>RefSeq Size:</b>	4909 bp
<b>RefSeq ORF:</b>	4794 bp
<b>Locus ID:</b>	229473
<b>UniProt ID:</b>	<a href="#">Q3U3D7</a>
<b>Cytogenetics:</b>	3 E3-F1
<b>Gene Summary:</b>	In its membrane-associated form, antagonizes canonical Wnt signaling by triggering lysosome-dependent degradation of Wnt-activated LRP6. Regulates thymocyte proliferation. [UniProtKB/Swiss-Prot Function]