

Product datasheet for **MC206530**

Tmem47 (BC019751) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem47 (BC019751) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem47
Synonyms:	3010015F07Rik; AI115536; BCMP1; Tm4sf10
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019751
 CAGCAGCGGACGACCTCCTTAGGGCCAGGCGTCCCAGCTAGGCAAGTCCAGTTGACCACTCGGTGTGCTT
 AACTGAGACCCAAGGTACGACTTCTTGGCGCGGTGTAGCGCCGCTTCTCTGTTCCGGGAGGTCCCCTCCA
 GGCTCTTCGGACCTCCTGGCGTCTCGTTTGCCTCGGGAAGGGCGGCAGCGCGCCCGGGCATGGCTTC
 GGCTGGCAGCGGCATGGAAGAGGTGCGAGTGTGCGTGTGACCCCGCTCAAGCTGGTCCGGCTGGTGTGC
 ATCTTCTTGGCGCTGTGTCTGGATCTGGGAGCTGTTCTGAGCCCGCCTGGTCCACCGGACCACCAGT
 ACTACCTGTCCCCTGTGGGAGTCTGCCGAAACCCGCCAACCTGGATATCTGGCATTGCGAATCCACTCT
 CGGCAGCGATTGGCAGATCGCTACTCTGGCTTTACTCCTGGGCGGTGCTGCCATCATTCTATTGCATTC
 CTGGTGGGTTTGAATTTCAATCTGTGTGGGATCACGAAGGCGCTTACAGACCTGTTGCTGTCATGCTTT
 TTGCAGCAGTTGTTTTGCAGGTCTGCAGCCTGGTCTTTATCCAATCAAGTTCATTGAAACTGTGAGCTT
 GAAAAATTTACCACGAGTTC AATTGGGGTTATGGCCTGGCCTGGGGTGCAACTATATTTTCATTTGGGGGT
 GCCATTCTTTATGCCTGAACCTAAGAACTATGAAGACTACTACTAAAAACAAGTCTGAAAAACAAACA
 CACATATGCATACACACACAAAAACATACACTACACACACCACATTACACACAAACACACACACACACA
 CACACACACACACCACATGAAAAAGAGAACTAACAATCCAACAAAAGATTTGTGTTGACATCTTTTC
 TAACACTATTTTCTAAAACACTTGTGGAGCCTCAAGCAGTTTGCTCAGTTGATTTAATATCCTTGCCTTT
 GGGTGTCAACATCATAACCAGCTTTTATATCCATTTTAGGGACCTGTACAAATTAAGAATGCTGATTAGA
 TATAGGCATATGCTGCAAACTTCCAATATGCTTATGCCATTTCTCTTGACATGTGAAGGATCTGTATGAC
 AGCAACCATTTTGAAGAAGCTAGTTGGAATGAGAATTGCCAGAGTCTCTTTTTGCCTGCAGGGAAACAGCT
 GCCTAAGCAACATGTAAGTCCATTGCTCTGACATTTCTACTGTTGGAGCCCTTATCACTGTTTATA
 TTGCGCAGTGGCTATATTGGTTATTGGTTACTTTGCTTTGGAATTTGAACTGCCATTTGGGCATCTAAT
 GAGAATCATAGATATAGCCATTTAATTCTACCTTTAAGGCTGTTCTTTTTAATAGCAAATATACTTTAC
 CAATTATCATCTCTTGGGAAGGAAGTCAACGTTTGGAGACATGTGTTTTTCATTATGTAGTTATAAAAT
 GAGGGTGTCTGCTTTCCCTGGGCAATCAGAAAGAAATGTGCATGAGTTGCTTTTGTACCTTAAAATC
 CTTTAAAAATTTTGCAGCAAAACAATTGTCCATATGTAACAAGCTTATTCTTCTACACCACAAGCATTAC
 CATACTGGTAATAAGTTGCTCATTAAATAGTCCACATACATGTACCTATCATTATATAATCAACTTGC
 TCTAGTGAAGCAATTTGAACACTAACCTTGTATGCATCAACAGACTCAGTATTCACAGTACTTACCATA
 CAAAAGTTCATATACCTTAAAGCTTTTGTCTGTGTTCTCTACTGATTTCATTGGAAGTATTAATAGAAT
 TGCCTAAGAAGTAAAATGAAATGTTGTTAATCTGAAATTTAATGATTCTTTTATAAGTATTGTAGTTCA
 AAAGAGAGTAGGAATTAGAATGATCACTTTGTGTAATAATCAATAACAAGGCTGCTATTTTGC
 GTATTTTAAATGTCTTCATTTTAAATAAAGGAATAGTGATAGATTTCTAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC019751

Insert Size: 546 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).

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: [BC019751](#), [AAH19751](#)

RefSeq Size: 2024 bp

RefSeq ORF: 546 bp

Locus ID: 192216

Cytogenetics: X B

Gene Summary: Regulates cell junction organization in epithelial cells. May play a role in the transition from adherens junction to tight junction assembly. May regulate F-actin polymerization required for tight junctional localization dynamics and affect the junctional localization of PARD6B (PubMed:26990309). During podocyte differentiation may negatively regulate activity of FYN and subsequently the abundance of nephrin (PubMed:21881001).[UniProtKB/Swiss-Prot Function]