

Product datasheet for MC203107

Tmem5 (NM_153059) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem5 (NM_153059) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tmem5
Synonyms: 6330415D21Rik
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC020100
CGAGGACGCCGGCCGGGAAGCCGCGGTGGGATGCGGCTGACCGGACACGGCTGTGCTCCCTCCTCGTC
GCCCTGTACTGCCTCTTCTCCATCTACGCCGCTACCACGTCTTCTTCGGGCGCCGCCGCCGCTGG
GCACGACCTCTCGAACTCCAGGAAGGCGCGGCGCAGGCGAAGGAGAGCGCGGCCGAGAGCAGTC
CGCTTTGGAGAGTGAAGAATGGAATCCTTGGGAAGGAGATGAAAAAACGAGCAGCGACACAGAGTTAAG
ACCAACCTGCAAATCTTAAACAAATCCACGAAAGAAAAATAGAGCATAGGGTGCAAATCTGGGCAAAG
CTGCCATTGGTCTGTATCTCTGGGAACATATTTTTGAAGCACTCTTGATCCTGTGATGTGACTGCTCA
GTGGAGGGAAGGACAGTCAGTTGTAGGAAGAACGATTACAGCTTCATCACAGGCCAGCTGTAGTTCT
GGTACTTCTCCATAGATGTGGACAATGTGGTTCTTGTTTAAATGGAAGAGAAAAAGCAAAGATCTTTC
ATGCCACCCAGTGGTTAATTTATGCACAGAATTAATGAAAACCCAAAAACTGCAGCATCTGGCTGTTGT
CTTGCTTGGAAATGAGCACTGTGAAAATGACTGGATAATGCAGTTCCTCAAAGAAATGGAGGCTTGTG
GATCTGCTTTTCATAACATATGACAGCCCTGGATTAATGGTGCAGACATTCTCCAGTGGCTTTAGGTG
TAGCAACATATAGGCAGTTTCCTGTAGTTGAAGCCAGCTGGACAATGCTGCATGATGAGAGGCCCTACAT
ATGTAATTTCTTAGGAACTGCCTATGAAAATTCATCAAGACAAGCACTAATGAACATTTTGAAACAAGAT
GGAAATGATAAATTTGTTGGGTTCTGCAAGAGAACAGTGGCAGCCTCAGGAGACAAATGAAAGCCTTA
AGAATTACCAAGATGCTTTGCTTACAGTGATCTCACATTGTGCCCTGTAGGAGTGAACACGGAATGTTA
CAGGATCTATGAGGCCTGCTCCTTTGGCTCCATTCCTGTGGTAGAAGATGTGATGACAGCTGGTCACTGT
GGAAACACAACCACTCAGCACAGTGTCTCTGCACTTACTCAAGGCCATGGGGGCCCTTCATCTTCA
TCAAGAAGTGAAGGAGCTTCTGCTATTTAGAAAAGGAGAAGACTAAGCTTACAAGAAAAGATTCA
AAGAAGAAAAGTGTACTTCATTGGTACCAACACTTCAAAACAGAACTAAAATGGAAATTTACTAAAATT
TTAGAAAGTTCATTTTTTATTAATAATAAAGTTTAATTATGTCTAGTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_153059
Insert Size: 1335 bp



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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:	<ol style="list-style-type: none">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:	<u>BC020100</u> , <u>AAH20100</u>
RefSeq Size:	1393 bp
RefSeq ORF:	1335 bp
Locus ID:	216395
UniProt ID:	<u>Q8VDX6</u>
Cytogenetics:	10 D2
Gene Summary:	UDP-xylosyltransferase involved in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity (By similarity). Acts as a UDP-D-xylose:ribitol-5-phosphate beta1,4-xylosyltransferase, which catalyzes the transfer of UDP-D-xylose to ribitol 5-phosphate (Rbo5P) to form the Xylbeta1-4Rbo5P linkage on O-mannosyl glycan (By similarity).[UniProtKB/Swiss-Prot Function]