

Product datasheet for **MC210144**

Tmem27 (NM_020626) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem27 (NM_020626) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tmem27
Synonyms: 0610008J07Rik; NX-17; NX17
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210144 representing NM_020626
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTGTGGGCGCTCTTTTTCTGGTGACTACTATTACGCTGAAGTCTGCCATCCAGATGCAGAAAATG
CCTTTAAAGTAAGACTTAGCATCAGAGCAGCTCTGGAGATAAAGCATATGTCTGGGACACGGATCAAGA
ATACCTCTTCAGAGCAATGGTGGCATTCTCCATGAGAAAAGTCCCAACAGAGAAGCAACAGAAATTTCC
CATGTCCTGCTTTGCAACATAACCCAGAGGGTGTCTGTTCTGGTTTGTGGTACGGACCTTCCAACAATT
ATACTTCTCTGCAGCTGAAGTACAGTCGGCCATAAGAAAAGAAATAGGAACCGGATCAACAGTGCATTTTT
TCTGGATGACCATACTCTGGAATTTTTAAAAATTCCTTCTACTCTTGCTCCCCGATGGAGCCATCTGTG
CCCGTCTGGATTATTGTATTCGGTGTGATTTTTGCATTGTTACAGTTGCAATTGCACTACTGGTTCTAT
CTGGAATCCGGCAACGCAGAAGGAACAACAAGGACCACCTGGAGTGAAGATGCAGAAGACAAGTGTGA
AAACATCATCACAATAGAAAATGGCATCCCTTGTGATCCCTTGGACATGAAGGGAGGGCACCATTAATGAT
GGCTTCTTGACAGAGGATGAGCGCCTCACCCCTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_020626
Insert Size: 669 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:	NM_020626.2 , NP_065651.1
RefSeq Size:	1262 bp
RefSeq ORF:	669 bp
Locus ID:	57394
UniProt ID:	Q9ESG4
Cytogenetics:	X F5
Gene Summary:	Plays an important role in amino acid transport by acting as binding partner of amino acid transporters SLC6A18 and SLC6A19, regulating their trafficking on the cell surface and their activity (PubMed:17167413). Regulator of SNARE complex function (PubMed:16330323). Stimulator of beta cell replication (PubMed:16330324).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.