

Product datasheet for **MC207575**

Tmem177 (NM_175106) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem177 (NM_175106) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem177
Synonyms:	2300008B03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207575 representing NM_175106 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGTCTCTGTGGAGGGCTGCAGCCTTTATACAGAGACACAGAACAAGCCTATTGGTGGGTTCTT
GTGCAGGCCTGTTGGGGTTCAAATCTCATTTCCACCTCTCCAGATCCCATAGTCCAGTGGCTCTACCA
GTACTGGCCTCAGGGCCAACCAGCTCCTTTCCCTCATCTGTGGAGCCTTCCAAGAGGTGCTAAAG
GACATAGGTGCCCTTCGGTCACTGCTACAAGCCTTTACCGCCTTCACTTTTCAGCCTGTGAGTGCTG
GATTCCCACGGTTGCCTGCTGGGCTGTGGTGGGAATCCCTGCCATCTTCTGGGTGGCCCTGTGACCAA
CATTGAACACTCTGTGATCATACATGGGCAAAGAGTGGATTGGCAAAGCCAGCAGGCACCAGGCTGAGA
GATGCCCTGACCATGTCTCATAATGCCAGAAAGTTGCCTTGGCCAAGGAGGTGGTATACCTGGAGAGTG
GTGTGGCTGCCCTACAGACCCTGCCAGCCCCAGCTTGCCTAGCAGGAACATGGGCAATAAGTGTGGGTGC
CAAGCATGCCCTGGGCTCTACGGAGGCCCATGAGCTTGCAGAACTGCCTTAACTTGGTGGCAATAGTG
GTAGGCTATGTAGCCTATACCTTTTCAAAGACTCTCTCACTCTTGCCTGGAAGGCTGGCTGGACCGCC
GCACGGCCTCTGTCTGCAGCCTATGTCCAGGGTGGAGTGAATTCTATGAGAAGATTCTGTGAGGAAA
CTTAGCCCTACGCAGTCTTTTGGCAGACAAGGAGAAAAGCTGTATACCAAGTGGAAACATTGTCCCC
AGACACTGGTTTCGCATCAACCATTTGCCCTACACCACCGCCGGGACTCTACAACAGATGTGGAGGG
CAACAGTCAGCCAGCCGCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3471_a05.zip

Restriction Sites: Sgfl-Mlul



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ACCN:	NM_175106
Insert Size:	936 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:	<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_175106.3 , NP_780315.1
RefSeq Size:	3302 bp
RefSeq ORF:	936 bp
Locus ID:	66343
UniProt ID:	Q8BPE4
Cytogenetics:	1 E2.3
Gene Summary:	Plays a role in the early steps of cytochrome c oxidase subunit II (MT-CO2/COX2) maturation and is required for the stabilization of COX20 and the newly synthesized MT-CO2/COX2 protein.[UniProtKB/Swiss-Prot Function]