

Product datasheet for MC227053

Tmem161a (NM_001293797) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem161a (NM_001293797) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem161a
Synonyms:	AI428876; BB161850; BC021367
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227053 representing NM_001293797 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGACCCGGCTGTACTTCAGTACCAAGGAGGGCGGTGAGCGCTCCGTATGTCTCTCCTTTGCCTTCC
TCTTCTCCTCTTGCCATGCTGGTACAGGTGGTGCAGGAGGAGACCTGGAGCTGGGCCTGGAGCCGGG
CCTAGCCAGCATGACCCAGCACCTGGAGCCTATTCTGAAGAAGCAGGATTGGGACTGGACACTCCCTGTG
ATCAAGTTGGCCATCCGCCTTGGCTGGCGGTGCTAGGCTCCCTGCTGGCGCCTTCCTCATTTTCCTG
GCCTGAGGCTGGCCAGACCCACCAGGACGCGCTGACCCTGTCTGCGGACCGACCACTGCTACAGCTGCT
CCTACACACCAGCTTCCTGTCAACCCTGTGCACCTTGTGGCTCTGGACAAAGCCTGTGCGCCGGGACTTC
CTGTACCAGGCACCCACAAGGAACATGACTTTCTGTACCGTCAGAAGGGGCTTTCGACTCTCTGCGCC
TCTGGGTGTTGGTGGCGCTGTGCCTGTTGCGCCTGGCAGTAACCCGGCCACACCTGCAGGCCTACCTGTG
CCTGGCCAAGGCTCGAGTGGAGCAGCTGCGCAAGGAGGCTGGCCGATTGAGGCCCGTGAATCCAGCAG
CGGTGGTCCGGTCTACTGCTACGTGACTGTGGTGGAGCTGAGTACCTGACCCCGTCACTCCTCACTC
TGCACTGCACACTGCTGCTCAAGACCCTGGGAGGCTACTCTTGGGCCCTGAGCTCTACTCCTCCCCCACT
GGCCCCATCCCAGCCCTCAGAGGCTTTGATCCCTGTAGACCCTGCAGGAGATGAGGCCAGCAGACTGCA
GCCCAGTTGCAGGGATCCTGGGTGGCTGCTCACGCCCTCTTCCTCAGAGGCATGCTGGCTTACATCA
TCTGGTGGACAGCTGCCTGCCAGCTGCTCTCCAGCCTCTTCGGCCTCTATTTCCACCAGCACCTGGCAGC
CTCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001293797
Insert Size:	987 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001293797.1, NP_001280726.1</u>
RefSeq Size:	2927 bp
RefSeq ORF:	987 bp
Locus ID:	234371
UniProt ID:	<u>Q8VCA6</u>
Cytogenetics:	8 B3.3
Gene Summary:	May play a role in protection against oxidative stress. Overexpression leads to reduced levels of oxidant-induced DNA damage and apoptosis (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate 5' exon and initiates translation at an alternate start codon compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.