

Product datasheet for **MC216724**

Tmem161a (NM_145597) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem161a (NM_145597) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem161a
Synonyms:	AI428876; BB161850; BC021367
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216724 representing NM_145597
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTCTTGGAGTGCAGCTGGTGGTACTCTGTTACCGCCACCCTCATGCACAGGCTAGCGCCAC
 ACTGTTTCCTTCGCACGCTGGCTGCTCTGCAATGGCAGTCTGTTCCGGTACATACACCCGTCAGAGGAGGA
 ACTTCGGGCGCTGTCAGGAAACTGAGGCCCGGGTCAAGAAAGGAGCGGTGGGCAATGGTCTTCATGAC
 GAGAAGCCATTGTCAGTGCCTCGAGATGCCATTTCCAGCTGCAGACCTGTCCCCTCACTGCTGTGGATG
 CCCTAGTCCTGCGCTTCTTTCTGGAATACCAGTGGTTCGTCGACTTCGCAGTGTACTCCGTTGGTGTGA
 CCTCTTACAGAGGCCTACTATTTGTGCTGGGCCAGTCCAGGAGACCAACATCGCTGTGTTCTGGTGC
 CTGCTCACTCTGGCCTTCTCTGAAGGTGTTCTCATGGTGACCCGGCTGACTTCAGTACCAAGGAGG
 GCGGTGAGCGCTCCGTATGTCTCTCTTTGCCTCCTCTCTCTCTCTTTGGCCATGCTGGTACAGGTGGT
 GCGGGAGGAGACCCTGGAGCTGGGCTGGAGCCGGCCAGCCAGCATGACCCAGCACCTGGAGCCTATT
 CTGAAGAAGCAGGATTGGGACTGGACACTCCCTGTGATCAAGTTGGCCATCCGCCTTGGGCTGGCGGTGC
 TAGGCTCCCTGTGGGCGCCTTCTCATTTTCCCTGGCCTGAGGCTGGCCAGACCCACCAGGACGCGCT
 GACCCTGTCTGGGACCGACCACTGCTACAGCTGCTCCTACACACCAGCTTCTGTACCCTGTGCACC
 TTGTGGCTCTGGACAAAGCCTGTGCGCCGGGACTTCTGTACCAGGCACCCACAAGGAACATGACTTTCT
 CTGTACCGTCAGAAGGGGCTTTCGACTCTCTGCGCCTCTGGGTGTTGGTGGCGCTGTGCCTGTGCGCCT
 GGCAGTAACCCGGCCACACCTGCAGGCCACTGTGCCTGGCCAAGGCTCGAGTGGAGCAGCTGCCAAG
 GAGGCTGGCCGCATTGAGGCCGTGAAATCCAGCAGCGGGTGGTCCGGGTCTACTGCTACGTGACTGTGG
 TGAGCCTGCAGTACCTGACCCCGCTCATCTCACTCTGCACTGCACACTGCTGCTCAAGACCCCTGGGAGG
 CTACTCTTGGGCCCTGAGCTCTACTCTCCCCACTGGCCCATCCAGCCCTCAGAGGCTTTGATCCCT
 GTAGACCTGCAGGAGATGAGGCCAGCAGACTGCAGCCAGGTTGCAGGGATCCTGGGTGGCCTGCTCA
 CGCCCTCTTCTCAGAGGCATGCTGGCTTACATCATCTGGTGGACAGCTGCCTGCCAGCTGCTCTCCAG
 CCTCTTGGCCTCTATTTCCACCAGCACCTGGCAGCCTCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_145597

Insert Size: 1443 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: [NM_145597.4](#), [NP_663572.1](#)

RefSeq Size: 3031 bp

RefSeq ORF: 1443 bp

Locus ID: 234371

UniProt ID: [Q8VCA6](#)

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 (1) represents the longest transcript and encodes the longer isoform (1).