

## Product datasheet for **MC200573**

### **Tmem132a (NM\_133804) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmem132a (NM_133804) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tmem132a
Synonyms:	6720481D13Rik; Hspa5bp1; Orai1; R74613
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

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>BC006896 sequence for NM_133804
GCCACAGCGGCTGGCGCGGAGCGGGCGCGGGAGATGTGGGGACAGATTGCAGCCACTGAGCCGCGCGCC
GGTTACCTCCTTTGGTGGGAAGGAGTGCGCCTCGATGACTGAACGCAAGGCTGCGGCCCTCGGGGGCC
CTACGGTGCCTGGTTCTGCCTCTGGTGGCTCTCGCCCTGGAAGTCGTGAGAGTTAGCAGTAACCATGAT
ACCCTGGACCCCATCTACCTGCCAGTGGCCCTGGAACCTCTAGATGCCCTGAGCATTTCGTGTGCAGC
AGGTGGGCCATTACCCACCTGCCAACTCTCCCTGGCCTCCCGCTCTGAGACTTTCCTGCTCATGCAGCC
CTGGCCACAGGGCACAGCCGCTTCTCCGGCCCTCTACCCACCCTTGGCCACTCAGCAGGTGGTCCCTCT
AGGGTCAACGAGCCCAACCGGCGCCCTGTCCCTTGGGATGTGCGGGCTGTTCCGTGGAAGCAGCGGTGA
CTCCAGCAGAACCCTATGCCCGTGTCTCTTCCACCTCAAAGGGCAGGATTGGCCACCAGGACCTGGCAG
CTTGCCCTGTGCCGACTACATGCCACACACCCTGCAGGCACTGCCACCAGGCTGCCGCTTCCAGCCA
TCTCTGGGTGCCTGTGTGGTGGAACTGCAATTCCTCTCACTGGTTCTCCCAAAGTGCCACCACAAGGG
CCGAACTGGCCTACACGCTGGAGCTGCAGGCGAGGGCCCTGGGGCTGTGGCCTGGCAGAGGAGGA
ACCCAGGAGCAGGCTCTCCAGTGGTGGTGTGGAGCTGCACCCTGAGGACCCCCACAGTACCAGGAG
GTACCTCTGGATGAAGCAGTCACCTTTCGTGCACCTGATGTGCCAATGAGGCTGGCCAGCTTCTACTG
CCACCCTTCTGCTTCGACACAACCTTCACTGCGAGCCTTCTTACTCTGCGGATTAAGTGAAGAAAGGGCT
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TGTCCGAGTTCCTGTGGGTGGACTTTGCAGTGGAGAACAGCACTGGTGGGGGTGTGGCAGTCACTCGCC
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CATTGACTGGAGTGCCCCAGCGTATTCCGGTGGGCTCGTCACTGTGGACAGTGGGGGAGCCTTGGAGGA
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GAGGTGGAGCGCGCTCCCGTGGCTGCCGCTGCAGTACCAGAGAGCTGGTGTGCGCTTCTTGGTCCCT
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GAGTCACTCGTGGCAGCCATGCCATGTGCAAGATCCTCGCATAGCCTCCTTGGAAAGTGGCCGCATC
CTAGTGGGACGGGAGCCTGGAGTCACTCTATCGAGGTTCTTCCCGCTGTCTGACGCCATCTGGGGG
AGCAGGCACTGGCTGTGACAGACGACAAGGTCTCAGTGTGGATCTGCGAGTACAGCCGGTGTGGCAT
CTCACTGTCTTGGAGCCGGGCATGTCCCACCCTGGAGAAGTACAGCCACATGTGGGCCAGTCACT
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CCGAGCTCTACGACCCGAATGACCTGGGCTGTGGTCTCAGCTGAGGAGCCAGTGTGTTCTGCCAGC
CGAAGAGCAGGGAGCCAGCTTGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
GCTCTGACCCACCCGAACCCTGCCCGCGGGGCCCATCGCGTTCCTTGGCATCAGGCACCCGCTGGC
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AGAAGCCACGGTGGAGGGAAAGCGGCAGATAGCAGGTGATATGGGGGCCATGTGGGTATTAGGGGCAAG
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TTTGGCCATCCTCATCTTCTGGTCAATGGTGTGGTCTTTGTGTTGCGCTACCAGCGCAAAGAGCCTCCA
GACAGCGCTACAGACCCTGCCTCCCTCAGCCACATAACTGGGTCTGGTGGGCACCAATCAGGAGGAAC
TGAGTCGGCAGCTGGACCGATGCTTCTCTCGGGTCCACCAAGGGGGAGGGGGGCTGCCCTTGTGAAAG
TGGGGCAGGAGGGATGCCTCAACCGTGGCCCCAGTGTTCAGAGAGCCCTGCTGGCTCTCGAGCACC
CTGGCCCGCAAAGAAGCCGGGGGACGTGGAAGCGAGTCGAGTTTGTGACATTTGCACCAGCACCCCAA
CCCAGCCGCTGAGGAGCCTGTAGGGGCCCGCTGTACAGTCCATCCTGGTGGCAGGTGAGGAGGACAT
CCGCTGGTGTGCGAGGACATGGGGCTGAAGGACCCAGAGGAGCTTCGAAACTACATGGAGAGGATCCGG
GGCAGCTCCTGACCACTCCTGACTGCCAGGGCAACTTGGCCACCAGCTCAGGCACTGGACCAATG
GGATCGCTGGCTAATCGTCTTGCCTGACCTCATTCTATCCTCTGGTGTGTTGATCTGAGTCCCTG
CTGGGTCCCTCGGGGACCCCGTCCCAGGCCCTTTCACCCACCCCTTGTGATGGACTATGGTCAAGA
GGGAGGGCGCATGCCCTTATTTATGGGAACCACTTATTCTACTGTTGGGTACAGAATAAATGAGAAAA
GAATGGGAAAAAAAAAAAAAAAAA
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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_133804
<b>Insert Size:</b>	3057 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC006896</a> , <a href="#">AAH06896</a>
<b>RefSeq Size:</b>	3454 bp
<b>RefSeq ORF:</b>	3057 bp
<b>Locus ID:</b>	98170
<b>UniProt ID:</b>	<a href="#">Q922P8</a>
<b>Cytogenetics:</b>	19 A
<b>Gene Summary:</b>	May play a role in embryonic and postnatal development of the brain. Increased resistance to cell death induced by serum starvation in cultured cells. Regulates cAMP-induced GFAP gene expression via STAT3 phosphorylation (By similarity).[UniProtKB/Swiss-Prot Function]