

Product datasheet for **MG211459**

Tmem132a (NM_133804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem132a (NM_133804) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem132a
Synonyms:	6720481D13Rik; Hspa5bp1; Orai1; R74613
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211459 representing NM_133804 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGACTGAACGCAAGGCTGCGGCCCTCGGGGCCCTACGGTGCCTGGTTCTGCCTCCTGGTGGCTCTCGCCCTGGAAGTCTGAGAGTTAGCAGTAACCATGATACCCTGGACCCATCTACCTGCCAGTGGCCCTGGA
ACTCCTAGATGCCCTGAGCATTTCGTGTGCAGCAGGTGGCCATTACCCACCTGCCAACTCTTCCCTG
GCCTCCCGCTCTGAGACTTTCCTGCTCATGCAGCCCTGGCCAGGGCACAGCCGCTTCTCCGGCCCTCT
ACCCACCTTTGCCACTCAGCAGGTGGTCCCTCCTAGGGTCACCGAGCCACCGCGGCCCTGTCCCTTG
GGATGTGCGGGCTGTTTCCGTGGAAGCAGCGGTGACTCCAGCAGAACCCTATGCCCGTGTCTCTCCAC
CTCAAAGGGCAGGATTGGCCACCAGGACCTGGCAGCTTGCCTGTGCCGACTACATGCCACACACCCTG
CAGGCACTGCCACCGAGCCTGCCGCTTCCAGCCATCTCTGGGTGCCTGTGTGGTGGAACTGCAATTCCC
CTCTCACTGGTTCTCCAAAGTGCCACCACAAGGGCCGAAGTGGCTACACGCTGGAGCCTGCAGGCGAG
GGCCCTGGGGGCTGTGGCCTTGGCACAGAGGAGGAACCCAGGGAGCAGGCTCTCCAGTGGGTGGTGTGG
AGCTGCACCCTGAGGACCCCCACAGTACCAGGAGGTACCTCTGGATGAAGCAGTCACTTTGCGTGCACC
TGATGTGCCAATGAGGCTGGCCAGCTTCTCACTGCCACCCTTCTGCTTCGACACAACCTCACTGCGAGC
CTTCTTACTCTGCGGATTAAGGTGAAGAAAGGGCTGCAGGTGATAGCTGCCCGCCAGCCAGCCACCC
TCTGGACTGCTAAGTTAGACCGCTTCAAGGGCTCAAAGCACCACACAGCCTGATCACCTGTACCGTGC
TGGCCTGCAGGGCCAGATTCCAGCCCTTGAAGTGTCCGAGTTCCTGTGGGTGGACTTTGCAAGTGGAG
AACAGCACTGGTGGGGGTGTGGCAGTCACTCGCCCTGTACGTTGGCAGTGGAGTACCCAGGTGAGGCC
CCGAAGCAGAGAAGGACAAAATGGTGTGGGAGATCCTGGTGTCTGAGCGGACATCAGAGCCCTCATCCC
TCTGGCCAAGGCTGAGGAGCTGGTGAACACGGCTCCATTGACTGGAGTGGCCAGCGTATTCCGGTGGCG
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CACAGGCTCTGCAGGTATCTGAGGCTGTGATGCTGTGTTGCTGGCTGGCCAGGAGACCCGGGTGCCAA
GGGGGTGAGGTTGACTTCTGGTGGCGCCGACTTCGGCCCTCACTAAAGCTGACTGTATGGCCCACTC



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CTGCCCTTGCATTGAGCTGACTGACACCACTCTGGAACAAATCCGAGGCTGGAGGGTCCCAGGCTCAG
 CAGAAGGGCAGCTGGAGCCTGAGACTGCTGCTGAGGAGGTGGAGCGCGCTCCCCTGGTCCCGCTGCA
 GTACCAGAGAGCTGGTGTGCGCTTCTTGGTGCCCTTTGCGGCTCACCCGCTGGACGGTGGCCGTCGCTC
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 GGTTCTGTTCCCGCTGTCTGACGCCATCCTGGGGGAGCAGGACTGGCTGTGACAGACGACAAGGTCTCA
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 GTGATATGGGGGCCATGTGGTATTAGGGCAAGTTTGGAGCGGCAGAGGAAGAAGCTGGGAAGGAAGA
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 GAGCTGGGGATGTATGCTTCTGGGCATCTTCTGTTTGGCCATCCTCATCTTCCGTGCAATGGTGTGG
 TCTTTGTGTTGCGCTACCAGCGCAAAGAGCCTCCAGACAGCGCTACAGACCTGCCTCCCCTCAGCCACA
 TAACTGGGTCTGGCTGGGCACCAATCAGGAGGAACTGAGTCGGCAGCTGGACCGATGCTCTTCTCGGGT
 CCACCAAGGGGGAGGGGGCTGCCCTGTGAAAGTGGGGCAGGAGGGGATGCCTCAACCGTGGCCCCCA
 GTGCTTACAGAGCCCTGCTGGCTCCTCGAGCACCTGGCCCGCAAAGAAGCCGGGGGACGTGGAAGCG
 AGTCGAGTTTGTACATTTGACCAGCACCCCAACCCAGCCGCTGAGGAGCCTGTAGGGGCCCCCGCT
 GTACAGTCCATCCTGGTGGCAGGTGAGGAGGACATCCGCTGGGTGTGCGAGGACATGGGGCTGAAGGACC
 CAGAGGAGCTTCGAAACTACATGGAGAGGATCCGGGCGAGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211459 representing NM_133804
 Red=Cloning site Green=Tags(s)

MTERKAAAPRGPYGAWFCLLVALALEVVRVSSNHDLDPIYLPVALELLDAPEHFRVQVGHYPPANSSL
 ASRSETFLLMQWPRAQPLLRASYPPFATQQVPPRVTEPHRRPVPWDVRAVSVEAAVTPAEPYARVLFH
 LKGQDWPPGPGSLPCARLHATHPAGTAHRACRFQPSLGACVVELQFSPHWFSQSATTRAELAYTLEPAGE
 GPGGCGLGTEEEPREQALPVGGVELHPEDPPQYQEVPLDEAVTLRAPDVMPRQGLFATLLLRHNFTAS
 LLTLRIKVKKGLQVIAARPAQPTLWTAKLDRFKGSKHHTSLITCHRAGPAGPDSSPLELSEFLWDFAVE
 NSTGGVAVTRPVWQLEYPGQAPEAEKDKMWEILVSEDIRAL IPLAKAEELVNTAPLTGVPQRIPVR
 LVTVDSSGAL EEVTEHIGCESANTQVLQVSEACDAVAVAGQESRGAQGVVDFWRRRLRSLKLTWVAPL
 LPLRIELDTTLEQIRGWRVPGSAEQLEPETAEEVERRSRGCRLQYQAGVRFVLPFAAHPDGGRRLL
 THLLGPDWLLDVSHLVAHAHVQDPRIASLEGGRIILVGREPGVTSIEVRSPLSDAILGEQALAVTDDKVS
 VLDLRVQPVMGISLSLSRGMSPGEVATCWAQSALPAPKQEVALLSLWLSFSDHTLAPAELYDRNDLGLS
 YSAEESAVLPAEEQGAQLGVVVSQVGAEGLPLHVALHPPEPCRRGRHRVPLASGTAWLGLPPLPTPVPA
 LPSSPVRTSPFTEATVEGKRQIAGDMGGHVIRGKFERAEAEAGKEEAEKEEEDDEEMVPAQVRVTDL
 ELGMYALLGIFCLAIFL VNGVVFVLRQYRKEPPDSATDPASPQPHNWWLGTNQEELSRQLDRCSSSG
 PPKGEGGCPCEGAGGDASTVAPSASESPAGSSSTLARKEAGRRKRVEFVTFAPAPPTQPPEEPVGA
 VQSILVAGEEDIRWVCEMGLKDPEELRNYMERIRGSS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_133804.2 , NP_598565.2
RefSeq Size:	3543 bp
RefSeq ORF:	3057 bp
Locus ID:	98170
UniProt ID:	Q922P8
Cytogenetics:	19 A
Gene Summary:	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]