

Product datasheet for RN209155

Tmem132a (NM_178021) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem132a (NM_178021) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmem132a
Synonyms:	Gbp; Hspa5bp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209155 representing NM_178021 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGAACGTGCGGCAGCGGCCCTCGGGGCCCTACGGTGCCTGGCTCTGCCTCTGGTGGCTCTCG
CCCTGGAAGTCGTGAGAGTTGGCAGTAACCAAAATACCCTGGACCCATCTACCTGCCAGTGGCCCTGGA
ACTCCTGGATGCCCTGAACATTTTCGGGTGCAGCAGGTGGCCACTACCCACCTGCCAACTCTTCTCTG
GGCTCCCGCTCTGAGACCTTCTGCTCATGCAGCCCTGGCCAGGCACAGCCACTTCTCCGGGCCCTCT
ACCCACCTTTTGCACTCAGCAGGTGGTCCCTCCTAGGGTCACTGAGCCCCACCGGCACCTGTCCCTTG
GGATGTGCGGGCTGTTCCGTGGAAGCAGCGGTGACTCCAGCAGAGCCCTATGCCCGTGTCTTCCAC
CTCAAAGGGCAGGATTGGCCACCAGGACCTGGCAGCTTGCCTGTGCCGACTACATGCCACACCCCTG
CAGGCACTGCTCACCAAGCCTGCCGCTTCCAGCCATCTCTGGGTGCCTGTGTAGTGGAACTGCAGTTCCC
CTCTCAATGGTTCTCCAAAGTGCCACCACAAGGGCAGAACTGGCCTACACTCTGGAGCCTGCAGGTGAG
GGCCCTGGGGCTGTGGCCCTGGCACGGAGGAGAAACCAAGGACAGGCTCTCCAGTGGGTAGTGTGG
AGCTGCACCCTGAAGACCCCCACAGCACCAGGAGTCCCGCTGGATGAAGTAGTCACTTTACGTGCACC
CGATGTGCCAGTGAAGCCTGGCCAGCTTCACTGCCACCCCTTCTGCTTGCACACAATTTACAGCCAGC
CTTCTTACTCTGCGGATCAAGGTGAAGAAAGGGCTACAGGTGACAGCTGCCCGCCAGCCAGCCACCT
TCTGGACCCTAAGCTGGACCGTTCAAGGGCTCAAAGCACCACACCAGTCTGATCACCTGTACCAGCAC
TGGGCTGCAGGGCCGGATTCCAGGCCCTGGAAGTGCAGGAGTTCCTGTGGGTAGACTTTGCGGTGGAG
AATAGCACCGGTGGGGTGTGGCAGTCACTCGACCTGTCAGTGGCAGCTGGAGTACCCAGGTGAGGCC
CTGAAGCAGAGAAGGACAAAATGGTGTGGGAGATCCTGTTTTCTGAGCGGACATCAGAGCCCTCATCCC
TCTGGCCAAGGCTGAGGAGCTGGTGAACACGGCTCCGTTGACTGGAGTCCACAGCGTATCCCTGTGCGT
CTTGCTACTGTGGACAGTGGGGAGCCCTGGAGGAGGTGACAGAGCACATTGGCTGTGAATCAGCCAATA
CCAGGTCTGCAGGTATCTGAGCCTGTGATGCTGTGTTTCGTGGCTGGTCAGGAGAGTCCGGGAGCCAA
GGGGTTTCGGGTGACTTCTGGTGGCGCCCTCCGGGCTCACTGAAGTCACTGTATGGGCCCACTC
CTACCTTGCGCATTGAGCTGACTGACACCCTTGAACAAATCCGAGGCTGGCGGGTCCAGGCCAG



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CAGAAGGGCAGTTAGAGCCGGAGGCTGCTGCAGAGGAGGTGGAGCGGCGCTCCCAGCGCTGCCGCCTGCA
 GTACCAGAGAGCTGGAGTACGCTTCTTAGTGCCCTTTGCGGCTCACCCGCTGGACGGTGGCCGCCGCTC
 ACCCACCTACTCGGTCTGACTGGTTGCTGGATGTGAGTACCTCGTGGCAGCCCATGCCACGTGCAGG
 ATCCTCGCATAGCCACCTTGAAGGTGGCCGCATCCTAGTGGGACGAGAGCTGGAGTACCTCTATCGA
 GGTTCCGATCCCCGCTATCTGACTCCATCCTGGGGGAGCAGGACTGGCTGTGACAGATGACAAGGTCTCG
 GTGCTGGATCTGCGAGTGAACCCGGTATGGGCATCTCACTGTCCCTGAGCCGGGGCGTGTCCCACCCTG
 GAGAGGTCACAGCGACTTGTGGGCCAGTCGGCTCTTCCAGCCCCAAAGCAGGAGGTGGCCCTCTCCCT
 GTGGCTGTCTTTCTGACCACACTTTGGCTCCAGCCGAGCTCTACGACCGAATGACCTGGGACTGTCG
 GTCTCAGCTGAGGAACCCAGTGCTGTTGTGCCAGCTGAAGAGCAGAGAGCCCAACTTGGTGTGGTGTGA
 GTGGCGTGGTGCCAAAGGGCTGCCCTACACGTGGCTCTGCACCCACCGGAACCCTGCCGCCGGGGCCG
 CCATCGTGTTCCTAGCCTCAGGCACAGCCTGGCTGGGGCTGCCCTTTGCCACACCAGCTCTGCA
 CTCCCATCAGCCCTGCCCGACCCACCATTACAGAAGCCTCTGTGGAAGGAAAGCGGCAGGTAGCAG
 GTGATATGGGGAGCCATGTGGTCCGGCATTAGGGGCAAGTTTGGCGGGCAGAGGAGGAAGCTGGGAA
 GGAAGAGAATGAGCCAAAGAAGAGGAGGAAGATGAGGAAGAGATGGTGCCTGCCCTCAGCGTGCACC
 GACCTAGAGCTGGGAATGTATGCTCTGTGGGCATCTTCTGTTTGGCCTTCTCATCTTCTGGTCAATG
 GTGTGGTCTTTGTGTGGCTACCAGCGCAAGAGCCTCCGACAGCGTTACAGACCCTGCCTCCCCTCA
 GCCACATAACTGGTCTGGCTGGGCACCAATCAGGAGGAACTGAGTCGGCAGCTGGACCGATGCTCTTCC
 TCGAGCCACCCAAGGGGAGGGGGCTGCCCTGTGAAAGTGGGGCAGGAGGGGATACTTCAACCGTGG
 CTCCCAGTGCTTACAGAGCCCTGCTGGCTCCACGAGCACCCCTGGCCCGAAAGAAGCTGGGGGACGTGC
 GAAGCGAGTCGAATTTGTGACATTTGCACCAGCACCCCGAGCCAGGAGGCGCCTGAGGAGCCTGTAGGG
 GCCCGGCTGTACAGTCCATCCTGGTAGCAGGTGAGGAGGACATCCGCTGGGTGTCCGAGGACATGGGGC
 TGAAGGACCCAGAGGAGCTTCGGAACACTACATGGAGAGGATCCGGGCAGCTCC TGA

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_178021
- Insert Size:** 3066 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_178021.1](#), [NP_821140.1](#)
- RefSeq Size:** 3066 bp
- RefSeq ORF:** 3066 bp

Locus ID: 338474
UniProt ID: [Q80WF4](#)
Cytogenetics: 1q43
Gene Summary: ER/Golgi protein that negatively regulates serum starvation-induced cell death in culture; may be involved in brain development [RGD, Feb 2006]