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Product datasheet for MR211459

Tmem132a (NM_133804) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem132a (NM_133804) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem132a
Synonyms:	6720481D13Rik; Hspa5bp1; Orai1; R74613
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR211459 representing NM_133804
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTGAACGCAAGGCTGCGGCCCCTCGGGGGCCCTACGGTGCCTGGTTCTGCCTCCTGGTGGCTCTCG
CCCTGGAAGTCGTGAGAGTTAGCAGTAACCATGATACCCTGGACCCCATCTACCTGCCAGTGGCCCTGGA
ACTCCTAGATGCCCCTGAGCATTTTCGTGTGCAGCAGGTGGGCCATTACCCACCTGCCAACTCTTCCCTG
GCCTCCCGCTCTGAGACTTTCCTGCTCATGCAGCCCTGGCCCAGGGCACAGCCGCTTCTCCGGGCCTCCT
ACCCACCCTTTGCCACTCAGCAGGTGGTCCCTCCTAGGGTCACCGAGCCCCACCGGCGGCCTGTCCCTTG
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CTCAAAGGGCAGGATTGGCCACCAGGACCTGGCAGCTTGCCCTGTGCCCGACTACATGCCACACACCCTG
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CTGCCCTTGCGCATTGAGCTGACTGACACCACTCTGGAACAAATCCGAGGCTGGAGGGTCCCAGGCTCAG
CAGAAGGGCAGCTGGAGCCTGAGACTGCTGCTGAGGAGGTGGAGCGGCGCTCCCGTGGCTGCCGCCTGCA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211459 representing NM_133804
Red=Cloning site Green=Tags(s)

MTERKAAAPRGPYGAWFCLLVALALEVVRVSSNHDTLDPIYLPVALELLDAPEHFRVQQVGHYPPANSSL
ASRSETFLLMQPWPRAQPLLRASYPPFATQQVVPPRVTEPHRRPVPWDVRAVSVEAAVTPAEPYARVLFH
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PPKGEGGCPCESGAGGDASTVAPSASESPAGSSSTLARKEAGGRRKRVEFVTFAPAPPTQPPEEPVGAPA
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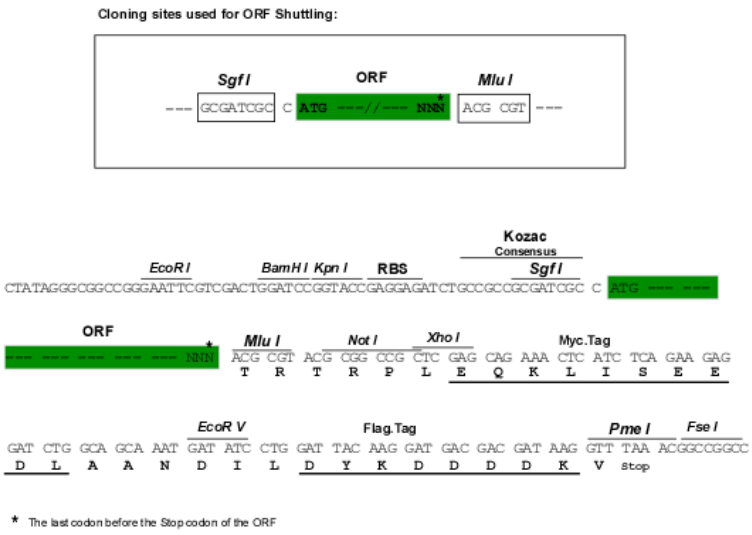
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9012_b09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_133804
ORF Size:	3054 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	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

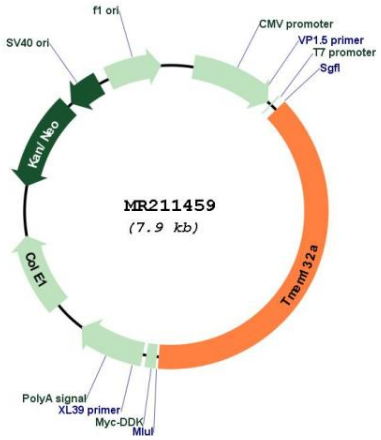
UniProt ID: Q922P8

Cytogenetics: 19 A

MW: 110.7 kDa

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]

Product images:



Circular map for MR211459