

Product datasheet for **MR215186**

Tmem259 (NM_001003949) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem259 (NM_001003949) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem259
Synonyms:	AC087114.7gm2; mFLJ00277; ORF61; R32184_3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215186 representing NM_001003949
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGAGCACGCGGCAGCCCCAGGGCCCGGCCAACGGCGGGGGTGGTGGCGCGGCCCGGTGC
 GCGGCCCTCGCGGCCCAATCTCAACCCCAACCGCTCATCAACGTGCGGACCGGCTCTCCACGCTCT
 CTTCTTCAAGATGGCCGTCACCTACTCACGCTCTTCCACCTGCTTTCGCGCCCTCTTTGAATTCTTC
 GTTCTGCTCAAGGCCCTGTTGTGCTTTTCGCTCTCGCTACATAACATCGTCTTCTCCCGGTCCCA
 TCAACTGCTTAGAGCATGTTGAGATCGATGGCCGCGGGAGGTGTCTGCGGGTGGAGGTGCGCCAAA
 CTCGAGCCGGCACCGGTGATCTGCAGTTCTGTGATGGGGCCCTCGGTGGCTGGAGCTGGAACCCGGG
 GGCCTGGAGCTGGAGGAGGAGCTCACAGTGGAGATGTTACCAACAGCTCCATCAAGTTGAGCTGG
 ACATTGAGCCAAAGGTGTTCAAGCCACAGAGCGGTGCAGATGCCCTGAACGACAGCCAGGACTTCCCTT
 TCCTGAGACGCCAGAAAAGTGTGGCCACAGGATGAGTACATTGTGGAGTACTACTGGAATATGGCTTC
 CTGCGGCTATCCCAAGCCACACGCCAGCGTCTGAGCATTCTGTGATGGTGGTACCCCTAGACCCACGC
 GGGACCAGTGCTTTGGGACCGCTTACGCCCTATTGCTGGATGAGTTCCTGGGCTATGATGACATCCT
 CATGTCCAGTGTAAAGGTCTGGCAGAGAACGAGGAGAACAAAGGCTTCTTGAGGAATGTGGTCTCTGGG
 GAGCACTACCGCTTTGTGAGCATGTGGATGGCGGCACATCCTACCTGGCGGCCTTTGTGATCATGGTCA
 TCTTTACCCTCAGCGTGTCCATGCTGTTGCGATACTCGCACACCAGATCTTCTGCTTTCATCGTGGACCT
 GCTGCAGATGCTGGAGATGAACATGGCCATCGCCTTCCCCGACGCGCCTTGCTGACCGTATCCTGGCT
 CTCGTGGGATGGAAGCCATCATGTCTGAGTCTTCAATGATACCACCAGGCTTCTACATCATCCTCA
 CTGTGTGGCTGGCCGACCATGATGCCATCTGCTGCCACCAACACCAGAACGCGGACTGGCTGAG
 GTTCTTCTACCTTACCCTTCCGCTTCTATGCCTACCCTACCCTTTAACGGGAGTACAGCAGCCTG
 GCCCTGGTCACTCCTGGCTCTTATCCAGCATTCCATGATCTACTTCTTCCACCACTATGAGTTGCCCG
 CCATCCTGCAGCAGATCCGAATCCAGGAGATGCTGCTTACAGCGCACCGCTGGGCCCGGGACCCAC
 GGCGCTGCCTGACGACCTCAACAACAACCTGGCTCCCCTGCCACTCCGGATCCCAGCCCTCCCCTCGG
 CTGGGCCCCAGCTCCAGCCCGCGCCACTGGCGGGCATCTGGGCTGGCTCACTGGGCGCTGGGGCT
 CAGTATCCGGCAGTGACCTAGGTTGGGTGGCCGAGACCGCCCATCATCTGACGCATCCTTCTGTG
 GGGGTGAGCGCCTCTCTCTGGAGCGGGCCAAACAGCCCTAGTACCCCGACAGCTCACGACCTGAC
 CCTGGGTCCTCTGGAGACGCACCCGCCCTGCCGGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215186 representing NM_001003949
 Red=Cloning site Green=Tags(s)

MSEHAAAPGPGPNGGGGGAAPVRGPRGNLNPPLINVRDRLFHALFFKMAVTYSRLFPPAFRRLEFF
 VLLKALFVLFVLAYIHIVFSRSPINCLEHVRDRWPREGVLRVEVRHNSRAPVILQFCDDGLGGLELEPG
 GLELEEEELTVEMFTNSSIKFELDIEPKVFKPQSGADALNDSQDFPFPEPAKVWPQDEYIVEYSLEYGF
 LRLSQATRQRLSIPVMVTLDPTRDQCFGDRFSRLLLEFLGYDDILMSSVKGLAENEENKGF LRNVVSG
 EHYRFVSMWMARTSYLAAFVIMVIFTL SVSMMLRYSHHQIFVFI VDLLQMLEMNMAIAFPAAPLLTVILA
 LVGMEAIMSEFFNDTTAFYIILTVWLAQYDAICCHTNTSKRHWRFFLYYHFAFYAYHYRFNGQYSSL
 ALVTSWLFIQHSMIYFFHHYELPAILQIRIQEMLLQTPPLGPGTPTALPDDLNNNSGSPATPDPSPLA
 LGPSSSPAPTGGASGPGSLGAGASVSGSDLGWAETAIIISDASFLSGLSASLLERRPTAPSTPDSRPD
 PGVPLEDAPAPAGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9015_a08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001003949

ORF Size: 1722 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_001003949.4](#)

RefSeq Size: 2223 bp

RefSeq ORF: 1725 bp

Locus ID: 216157

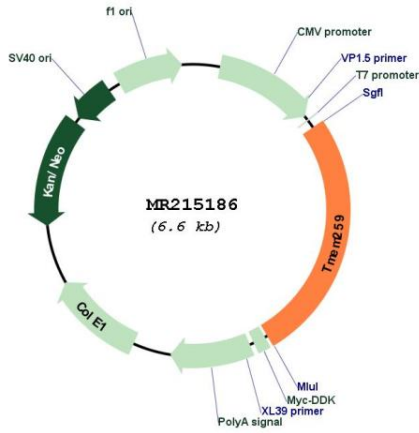
UniProt ID: [Q8CIV2](#)

Cytogenetics: 10 C1

MW: 64 kDa

Gene Summary: May have a role in the ERAD pathway required for clearance of misfolded proteins in the endoplasmic reticulum (ER). Promotes survival of motor neurons, probably by protecting against ER stress.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215186