

Product datasheet for MR212955

Tmem9 (NM_025439) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem9 (NM_025439) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem9
Synonyms: 1500015G18Rik; AW545782
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR212955 representing NM_025439
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTGCTGTGTTTGGTGGCTGTGGTGGGGTCTTGCTGGTGCCCCAGCTCAAGCCAACAAGAGCT
CTGAAGATATCCGGTGCAAATGCATCTGTCCGCTTACAGAAACATCAGCGGGCACATTTACAACAGAA
TGTGTCTCAGAAGGACTGCAACTGCCTGCATGTGGTGGAGCCCATGCCAGTGCCTGGCCACGATGTGGAA
GCCTACTGCCTGCTCTGCGAGTGTAGGTACGAGGAGCGTAGCACCACAACCATCAAGGTCATTATTGTCA
TCTACCTGTCTGTGGTGGGGCCCTCTACTCTACATGGCCTTCCTGATGCTGGTGGACCCGCTCATCCG
GAAGCCAGATGCCTATACTGAGCAGCTGCACAATGAAGAGGAGAATGAGGATGCTCGCACCATGGCAACA
GCCGCTGCGTCCATTGGAGGACCCCGGCAAACTGTCCTGGAGCGGGTGAAGGCGCTCAGCAGCGGT
GGAAGTGCAGGTGCAGGAGCAGCGGAAGACGGTCTTCGACCGACACAAGATGCTCAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212955 representing NM_025439
Red=Cloning site Green=Tags(s)

MKLLCLVAVGCLLVPPAQANKSSEDIRCKICPPYRNISGHIYNQNVSQKDCNCLHVVEPMPVPGHDVE
AYCLLCECRYEERSTTTIKVIIIVYL SVVGALLLYMAFLMLVDPLIRKPDAYTEQLHNEEENEDARTMAT
AAASIGPRANTVLERVEGAQQRWKLQVQEQRKTVFDRHKMLS

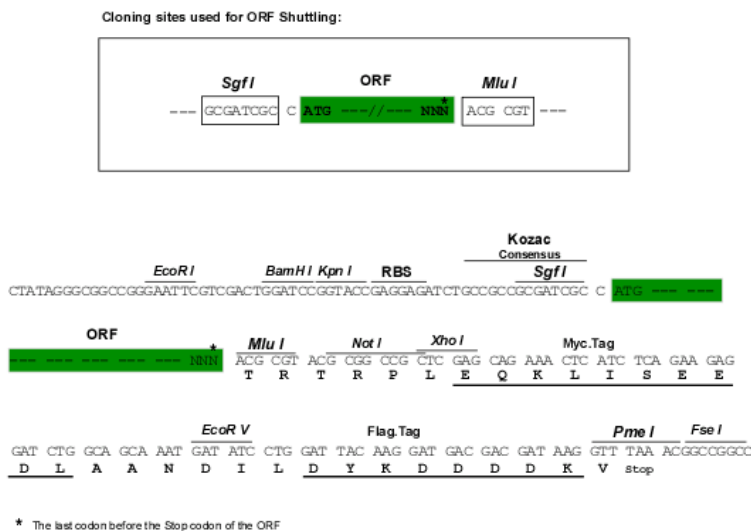
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9028_a02.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025439

ORF Size: 549 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_025439.3](#), [NP_079715.1](#)

RefSeq Size: 1460 bp

RefSeq ORF: 552 bp

Locus ID: 66241

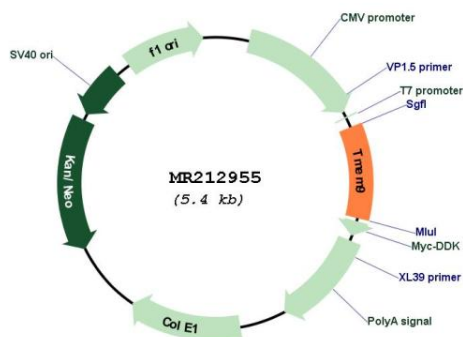
UniProt ID: [Q9CR23](#)

Cytogenetics: 1 E4

MW: 21.1 kDa

Gene Summary: May be involved in intracellular transport.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212955