

Product datasheet for MR229091

Tmem241 (NM_001289666) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem241 (NM_001289666) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem241
Synonyms: 6030446N20Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR229091 representing NM_001289666
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGTGAGGCGGTCCCTGCTCGGCCTCACCTTCTGCACCTGTTACCTGGCTTCTCACCTACCAACA
 AGTATGTCCTGTCTGCCTGAAATTTACCTACCCTACATTATTCCAAGGGTGGCAGACATTCATTGGTGG
 ACTTTTGCTTCATATGTCATGAAACTAGGATGGGTGGAGCTCCACAGCAGTCCAAGATCTGATGTTTTG
 ATATGGCTTCCTGCTTCAGCGCTGTTTGTGGGCATAATCTATGCGGGTCCAAGCTTTGTCTAGACTGG
 CTGTTCTGTGTTTTTCATTTTGCATAATGTAGCTGAAGTCTCACCTGTGGGTACCAGAAGTGTGTCTG
 GAAAGAGAAAACATCGCTCTCAAAGATCTGTAGTGCCCTCTTCTCTTGGCTGCTGCAGGGTGCCTTCCC
 TTCCAAGACTCTCAGTTTGATCCAGATGGATATTTTTGGGCTCTTATCCACATCTTTTGTGTAGGTTCTT
 ACAAATACTTCGGAAGTCCCGAAGCCCACTGTGCTAAGTGACATTGACCAGCAGTACTTAAACTATAT
 ATTCAGCATGGTACTCCTGGCATTTCATCTCATCCGACAGGTGACCTCTTCGGTGCCTGGACTTTCCA
 TTCTTGTATTTCTACAGGTTCCATGGCAGCTGCTGTGCCAGTGGAGTTTTGGGATTCTTCTCATGCTCA
 GTACAGTCAGGCTGAGAAGCATCCTGGCCCCAGGGCAGTGCAGCCTGGATCCTCTGTGCTAAGGTCGT
 CACAGCTGGCTTGTGATGTTGCTGTTTGTATATGGCCCTGACCAAAGCAACTGTGGGATGCTTCTGCTT
 GGTGGACTTGGCAGGCCCTGCTGGTTTTCTCAGAGCGGAGGAGTTCCTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229091 representing NM_001289666
Red=Cloning site Green=Tags(s)

MNVRRSLLGLTFCTCYLASHLTNKYVLSVLKFTYPTLFQGWQTFIGLLHMSWKLGWVELHSSPRSDVL
 IWL PASALFVGI IYAGSKALSRLAVPVFFILHNVAEVL TCGYQKCVWKEKTSLSKICSAFLAAAGCLP
 FQDSQFDPDGYFWALIHIFCVGSYKILRKS RKPVTVLSIDIDQQYLYNIFSMVLLAFASHPTGDLFGALDFP
 FLYFYRFHGCCASGVLGFFLMLSTVRLRSILAPGQCAAWILCAKVVV TAGLSMLLFDMALTKATVGCFL
 GGLGEALLVFSERRSSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001289666

ORF Size: 891 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_001289666.1](#), [NP_001276595.1](#)

RefSeq Size: 3206 bp

RefSeq ORF: 894 bp

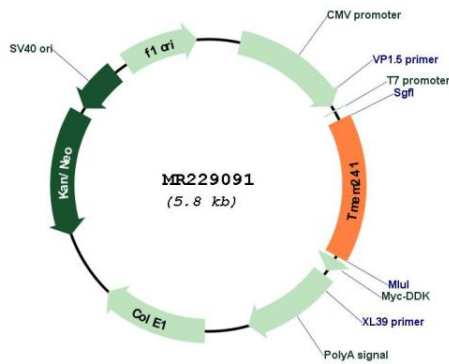
Locus ID: 338363

UniProt ID: [Q3UME2](#)

Cytogenetics: 18 A1

MW: 33.4 kDa

Product images:



Circular map for MR229091