

Product datasheet for MR204828

Tmem68 (NM_028097) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem68 (NM_028097) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tmem68
Synonyms:	2010300G19Rik; AA408325; AW123402
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204828 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGATAGATAACAACCAACCTGTGCTGCAGGACAGGACTCTGTGCCCTATGTGACCTGTATGATTTATG
TGCTTGAGGAGTGGTGGGTGTGGAGCAATTGGAGGACTATCTGAATTTTGCAAACCATCTTTTGTGGGT
TTTCAACCCACTGATACTTTTAATACTTCCTATTTTACCATCTTCTTCTCTACCTTACTATTATTTTC
CTCCATATCTACAAGAGGAAGAATGTATTAAGAAGCCTACTCTCATAACTTGTGGGATGGTCAAGGA
AAACGGTGGCAACTCTGTGGGATGGACATGCGGCTGTTTGGCATGGTTATGAAGTTCATGGGATGGAAAA
GATACCAGAAGGAGCTGCACTTATAATTTTTTATCATGGAGCCATCCCCATAGACTTTTACTACTTCATG
GCTAAAATTTTTCATCCAGAAAGGCAGAACTTGCCGAGTAGTAGCTGACCACTTTGTCTTTAAAATCCAG
GGTTCAAGTTTACTTGTATGTGTTTTGTGCTCTTCATGGACCAAGAGAAAAATGTGTTGAAATCTTGAG
GAGTGGTCACTTGTAGCTATCTCACCGGGCGGAGTTCGAGAAGCCTTACTTAGTGATGAAACCTACAAC
ATCATATGGGGTAATCGTAAAGGCTTGTCTCAGGTTGCAATTGATGCAAAAAGTGGCCATTATTCCTATGT
TTACACAAAATATTCGAGAAGGATTTAGATCACTTGGAGGCACAAGATTATTTAAGTGGCTTTATGAAAA
ATCCGCTATCCATTTGCTCCAATGTATGGAGGTTTTCTGTAAAGTTGCGGACCTCTTAGGTGATCCC
ATACCATATGACCCAAAGGTAACAGCAGAAGAATTAGCCGAAAAGACCAAGAATGCTGTTCAAGCTTTGA
TTGACAAGCACCAAGGATACCGGGGAACATTAGGAGTGCTCTGCTGGACCGCTTTCATAAAGAGCAGAA
GGCTCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204828 protein sequence
Red=Cloning site Green=Tags(s)

MIDNNQTC AAGQDSVPYVTCMIYVLEEVLGVEQLDYLN FANHLLWVFTPLILLILPYFTIFLLYLTIIF
 LHIYKRKNVLKEAYSHNLWDGARKTVATLWDGHAAVWHGVEVHGMEKIPEGAALIIFYHGAIPIDFYFYM
 AKIFIQKGRTRVVDHDFVKIPGFSLLLDVFCALHGPREKCV EILRSGHLLAISPGGVREALLSDETYN
 I IWGNRKGFAQVAIDAKVPIIPMFTQNI REGFRSLGGTRLFKWL YEKFRYPFAPMYGGFPVKLRFTLGD
 IPYDPKVTA EELAEKTKNAVQALIDKHQRI PGNIRSALLDRFHKEQKAH

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_028097

ORF Size: 990 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_028097.4](#)

RefSeq Size: 2605 bp

RefSeq ORF: 990 bp

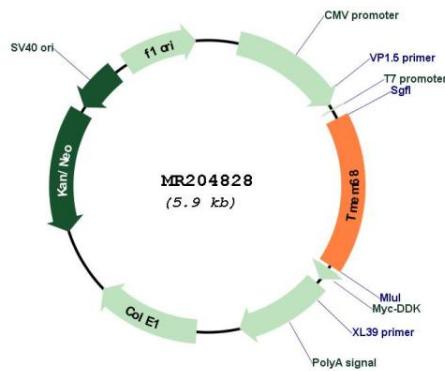
Locus ID: 72098

UniProt ID: [Q9D850](#)

Cytogenetics: 4 A1

MW: 37.8 kDa

Product images:



Circular map for MR204828