

Product datasheet for MR220019

Cmtm7 (NM_133978) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cmtm7 (NM_133978) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cmtm7
Synonyms: AI481279; Cklfsf7; LNV
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220019 representing NM_133978
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTCATGGATCGGGGCTCGTCCGACCACGTGCAGCAGCGCGCGCGCTGGGGCCAGGCCAGCCCT
CGGAGGGACTGCTGGACCGGGGTACCCGCTCACCCACGGCGCCCTGTTCAAAGTGGCGCAGATGGTCAC
CCTGCTGATTGCCTTCATCTGTGTACGAAGCTCCGTTCCGATCGACTATGGTGCCACAGCTTCTTCGAA
GTCGTACCATGTGCGACCTGATAATGATCCTCATCTTTACCTGGTGACCTCTCCGCTTCTACCGTG
TGCTCACCTGCATCAGCTGGCCCTGTCCGAAGTCTGCACTATTTAATCGGCACGCTGCTTCTCCTCAT
CGCTCCATAGTATAGCTCCAAGAGTTACAACCAGAGTGGCCTGGTAGCCGGAGCGATCTTTGGGTTCT
CTGGCCAGCTTCTCTGCCTAGCGAGCTTGTGGCTGTCTACAAGATCACCTGTATAACCCAGTCTTCAG
ATGCATCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220019 representing NM_133978
Red=Cloning site Green=Tags(s)

MSHGSLVRTTSSGGALGPGQPSEGLLDRVYPLTHGALFKVAQMVTLIIAFICVRSSVPIDYGAHSFFE
VVTMCDLIMILIFYLVHLFRFYRVLTCISWPLSELLHYLIGLLLLIASIIVIASQSYNSGLVAGAIFFG
LASFLCLASLWLSYKITCITQSSDASA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

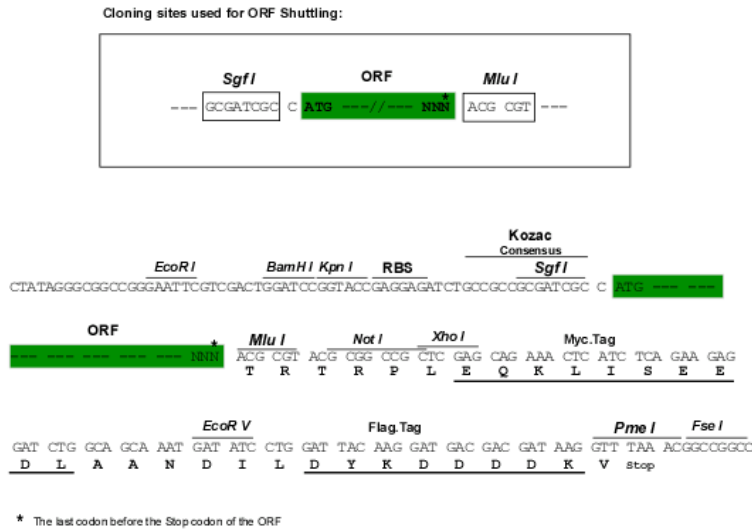
Chromatograms: https://cdn.origene.com/chromatograms/mm9029_d01.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133978

ORF Size: 504 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_133978.2](#), [NP_598739.1](#)

RefSeq Size: 994 bp

RefSeq ORF: 504 bp

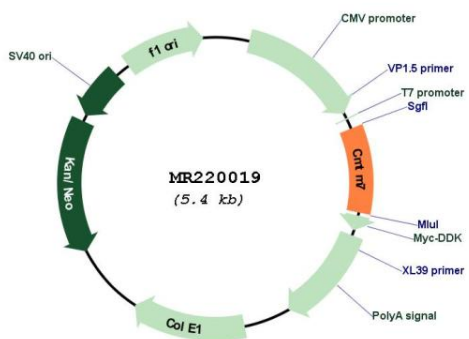
Locus ID: 102545

UniProt ID: [Q9ESD6](#)

Cytogenetics: 9 F3

MW: 18.6 kDa

Product images:



Circular map for MR220019