

Product datasheet for **RR210664**

Cmtm1 (NM_001029914) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cmtm1 (NM_001029914) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cmtm1
Synonyms: MGC116183
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210664 representing NM_001029914
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGCCTGCATCCACCAAGCCTGGGTCAGACTCTCAACTTCACAGTCAAAGGTGCCTGCTGCCTCTG
CCGCACCTCACCACAGACCTTCAGTACCAGGAACGCCAAAGAGCCAGAGACCTTCAGTACCCAGACCACC
ATCTCACCAGGGACCTTCAGTACCCGGAACGCCAACAGCCAGGGACCTTCAGTACCTGGAACACCAACA
TATCTCGGACCTTCAGTACCCGGAACACCAATCAGTCAGGGACCTTCAGTACCCGGAACACCAATCAGCC
AGGGATCTTCAGTACCCGGAACACCGATCAGCCAGGGACCTTCAGTACCAGGAACACCATCCCGCCAGCG
ATCTTTAGTACGCTCCACACCATCCAGCTACAGACCCACAGTACGCTCCACACCATCCAGCTACCGACCC
ACAGTACGCTCCACACCATCCAGCTACCGACCCACAGTACGCTCCACACCATCCAGCTACCGACCCACAG
TACGCTCCACACCATCCAGCTACCGACCCACAGTACGCTCCACACCATCCAGCTACCGACCCACAG
CTCCATACCATCCACTAAGTCCTTGCAGTCAGTGCACAGAGATCACACTGCGGACAAATTACCAAGGAAA
CACACCAAACATGAGAAAGTGGCGCCGACTCGACCTGCCCCAGTGTCTGAGAAAAATCAAGTACCGGAAA
CCGTCAAATACAGGATAAGGACAGGGTCTCAAAAAGATTTCAGAGATGGCTTCTGTAATTTTGGCTGCTC
AGCCAATGGGATGTTGAAGGCCTTGAGGATGTGCATTACTGCAGCATCGGTATTTGTTTCGTCTTGGT
GGCGCCAGGACCTGTTGTAGCCATCATGATTAGGAAACCTGCATCGTCTTATTTTTTATTATAATCT
ATTTGATAGCCCTTCAACACTTCTGACCTGTATCCACTGGCCTCTGCTTGTGATCTGATCAACACTCTCAT
TTCAATGGCATTCTTGGAAATAGTTAGCATAATAACCATGACGACAGAAAACAGTAAAAGAATCTGACT
TTTATTGGAGGGTCTGTGCTTCTCGGCAGCAGTCTGTGTGCATCGATGCATTGTTGGTTACCGAAA
AGATGAGGCACAAAGCAAAAAGTTCCCTGGGGAAGAAAACCTAAGCCCTCTACTACCCGACGGAGGCAGAA
GCAGCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210664 representing NM_001029914
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MKPASTKPGSRLSTSQSKVPAASAAPHHRPSVPGTPKSQRPSVPRPPSHQGPSVPGTPTSQGPSVPGTPT
 YLRPSVPGTPIISQGPSVPGTPIISQSSVPGTPIISQGPSVPGTSPRQRSLVRSTPSSYRPTVRSTPSSYRP
 TVRSTPSSYRPTVRSTPSSYRPTVRSTPSSYRPTVRSTPSSYRPTVRSTPSSYRPTVRSTPSSYRPT
 HTKHEKVRPTRPAPVSEKIKIPETVKIQDKDRVSKRFRDGFCCNFCCSANGMLKALRMCITAAASFVCFVIG
 GAQDLFVAIMIQTICIVLFFIIIIYLIALQHFLTCIHWPLLDLINTLISMAFLGIVSIITMTTENSEKNLT
 FIGGVLCFSAAVLCVIDALLVTEKMRHKAKSSLGKKTTPSTTRRRQQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

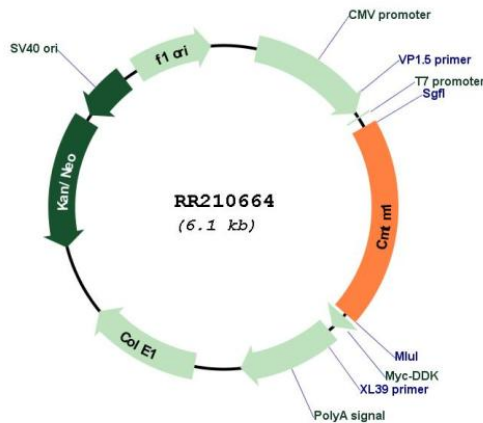
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001029914

ORF Size:	1197 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:	<ol style="list-style-type: none">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_001029914.1 , NP_001025085.1
RefSeq Size:	1896 bp
RefSeq ORF:	1200 bp
Locus ID:	291823
Cytogenetics:	19p14
MW:	43.3 kDa