

Product datasheet for **MR230531**

Cdc7 (NM_001271566) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc7 (NM_001271566) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc7
Synonyms:	A1597260; Cdc7l1; muCdc7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230531 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGAGCCAATGGCGTTTTCTTCCTTCGTGGCAGTGACAGGTGCCGGCTGATGACTCTTTAAAAA
 AATATGAGCAGAGTGTTAACTTTCAGGTATTAAGAGATATTGAGGAGCTTTGTGAAGCTGTACCACA
 ACTAGTCAATGTGTTCAAATTAAGGACAAAATTGGAGAAGGCACCTTCAGCTCTGTTTATTGGCCACA
 GCACAGTTGCAAGAAGGACATGAAGAGAAAATTGCGCTGAAACACTTAATCCCACAAGTCATCCTATGA
 GGATTGCAGCAGAGCTTCAGTGTCTGACAGTTGCAGGGGGCAAGACAATGTCATGGGACTTAAGTACTG
 CTTCAGAAAAATGATCATGTGGTTATTGCTATGCCGTATCTGGAACATGAGTCTTTTTGGACATTTTG
 AATTCTCTTTCCTCAAGAAGTTCGGGAATATATGTATAATCTTTTTGTAGCTTTGAAACGGATTATC
 AGTTTGGTATTGTTACCGTGATGTGAAGCCAGCAATTTTTATACAATAGACGCTGAAAAAGTATGC
 CTTGGTGGACTTCGGTTTGGCCAGGAAACCCGTGACACAAAAATAGAGCTGCTCAAGTTTGTCCAGTCT
 GAGGCTCAGCAGGAAGATTGTTACGAAACAAGTATCATGGAGTCTGGACACAAGGGCCTGCTGAGTC
 GCCCGGCACCTAAAAGTGTGGATCAGCAGTGTACCCCAAAAACCTCTGTCAAAAGATCTACACACAAGT
 TCACATTAAGCAAGGAAAAGACGGAAAGGAGAGATCTGTAGGCCTTCTGTCCAGCGCTCTGTTTTTGA
 GAGAGAAATTTCAATATACACAGCTCCATTTACATGAGAGCCCTGCAGAGAAACTCATCAAGCAATCAA
 AGACTGTGGACATAATATCACGAAAGCTAGCGACAAAAAGACGGCCATTTCTACAAAAGCTATGAACAG
 CGTGATGAGGGAAACTGCCAGGTCTGCCCTGCTGTCTCACCTGCGACTGCTATGGATCAGATAGAGTC
 TGCAGCGTTTGCCTGTCGAGGCGGCAGCAGGTTGCCCTAGGGCAGGCACACCAGGATTCAGAGCGCCAG
 AGGTCCTGACAAAAGTGTCTGACCAGACCACAGCGATTGACATGTGGTCTGCAGGTGTCATATTCCTGTC
 CTTGCTCAGTGGCGGTACCCATTTTACAAGGCCAGTGATGACTTAAGTCTTTGGCTCAGATCATGACA
 ATTCGAGGATCCAGGAAACTATCCAGGCTGCTAAAGCTTTTGGCAAATCAGTTCTGTGTAGCAAAGAAG
 TCCAGACAAGACTTGAGAGCTCTCTGTGAGAGACTGCGGGGTCTAGACTCTACCACTCCAGGTCAGC
 CAGTGGTCTCCAGGGAATGCTTCTATGACCCTGCTGCTTCAAGAACACTGACCACAAAGCATCCCGT
 GTACAGGCTGCTCAGGCACAGCACTCAGAGGACTCCTTGATAAAAAGGGACAACGATGGCTATTGGAGTC
 ATCCAAAAGACTGCACTTCCAAGTCAAGGCTGGGACTCAGTACCTGATGAAGCCTATGACCTGCTCGA
 CAAGCTTCTGGACCTAAACCCAGCTTCAAGGATAACAGCAGAAGCAGCCTTATTACATGCGTTCTTTAAA
 GATATGTGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230531 protein sequence
 Red=Cloning site Green=Tags(s)

MEEPMAFSSLRGS DRCPADDSLKKEYQSVKLSGIKRDIEELCEAVPQLVNVFKIKDKIGEGTFSSVYLAT
 AQLQEGHEEKIALKHLIPTSHPMRIAELQCLTVAGGQDNVMGLKYCFRKNHVVAMPYLEHESFLDIL
 NSLSFQEVREYMYNLFVALKRIHQFGIVHRDVKPSNFLYNRRLKKYALVDFGLAQGTRDTKIELLKVFQS
 EAQQEDCSRNYHGVVGHKGLLSRPAPKTVDDQCTPKTSVKRSYTVVHIKQKDGKERSVGLSVQRSVFG
 ERNFNIHSSISHESPAEKLIKQSKTVDIISRKLATKKTAIISTKAMNSVMRETARSCPAVLTDCYGS DRV
 CSVCLSRQQVAPRAGTPGFRAPEVLTKCPDQTTAIDMWSAGVIFLSLLSGRYPFYKASDDLTAQAQIMT
 IRGSRETIQAAKAFGKSVLCSKEVPAQDLRALCERLRGLDSTTPRSASGPPGNASVDPAAASKNTDHKASR
 VQAAQAQHSSEDSLYKRDNDGYWHPKDCSTNSSEGWDSVPEAYDLLDKLLDLNPASRITAEALLHAFFK
 DMCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

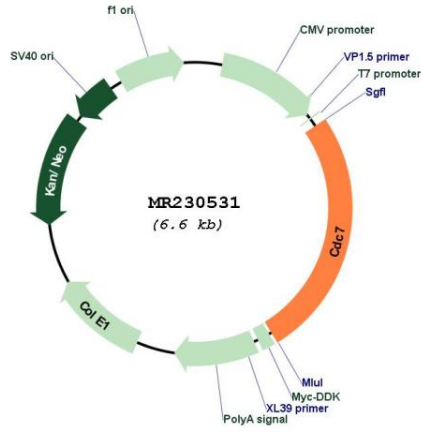
Restriction Sites:

SgfI-MluI

MW: 62.8 kDa

Gene Summary: Seems to phosphorylate critical substrates that regulate the G1/S phase transition and/or DNA replication. Can phosphorylates MCM2 and MCM3.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230531