

Product datasheet for **MR219984**

Cdk15 (NM_001033373) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdk15 (NM_001033373) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdk15
Synonyms:	Als2cr7; Pftk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219984 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTCAAGAGCTGTGTCAAAGAGGCTACAGCCAGGATGCAGTTGCTACCACCGTTCGGAGGGAGGGG
 AGGCGCACAGCTGTGAGAGAAGCCAGCCTGGAAGCACCGAGCCTGCTGTATTCGAGCTAACAGAAGCATC
 CAGTTCACCGCTTCATTTACCCAGGGGACTGGAGGCTGCCAGTGCCAGAAGTTGAAGAGTAAAGG
 CCCCAGGTAACAGTGATTCTTTTCAGGAAGAGAATCTGAGGCAGGGGTTGCCATGGAAGAAGAGCCTCC
 CTTTTGGGCGAGCCTCATCTTACTTGAAGTGGAGAAGCTGGGTGAAGTTCTTATGCCAAAGTTTACAA
 GGGCATCAGCAGGATAAATGGACAAGTGTAGCTCTCAAGGTCATCAGCATGAATGCAGAGGAGGGAGTC
 CCTTTCACAGCCATCCGGAAGCATCTCTCTGAAGGGCTGAAGCATGCCAATATTGTCCTCTTGCATG
 ACATTGTTACACCAAAGAGACTCTGACATTCGATTTGAATACATGCATACCGACTGGCCAGTACAT
 GTCTCAGCATCCTGGAGGCTTCATCTCACAATGTCAGGCTTTTCATGTTTCAACTTCTCGGGGCTG
 GCATACATCCACCACCAGCGTGTCTCCACAGGGACCTGAAACCTCAGAAGTTCCTCAGTCACTGG
 GAGAGCTCAAAGTGGCTGATTTGGTCTTGTCTCGAGCCAAGTCCATTCTAGCCAGACATACTCCTCAGA
 AGTGGTGACACTCTGGTACCGGCCACTGACGCTTTGCTGGGAGCCACTGAGTACTCCTCTGAGCTAGAC
 ATATGGGGCGCAGGCTGCATCTTCATTGAAATGTTCCAGGGTCAACCTCTGTTTCTGGGGTATCCAACA
 TCCTCGAACAGCTGGAGAAGATCTGGGAGGTTCTGGGAGTCCCTACAGAGGATACCTGGCCTGGAGTCTC
 CAAACTGCCTAACTACAATCCAGAATGGTTCGCCACCTAAACCTCAAAGCCTGCAGATTGTCTGGGAC
 AGGCTGGTGGAGTTCCTGAAGCTGAAGACCTGGCCTCCAGATGCTAAAAGGCTTCCCCAGGGACCGTG
 TCTCAGCCAAAGAAGCGCTCGTTTCATGATTATTTTCAGTGTCTTGCCATCCAGTTGTACCAGCTTCTGA
 TAGGAGTCTCTGTTTGCAGTTTCGGGAGTGAAGCTAAAGCCAGAATGTGTGACCTTTCGGCTTCTCTAC
 AGGAAGAGACACCACCTAGTCGGGGTAAACAAATGTTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219984 protein sequence
 Red=Cloning site Green=Tags(s)

MGQELCAKRLQPGSCYHRSEGGEAHSCQRSQPGSTEPAVFELTEASSSTASFHPRGLEAASAQKLKSKR
 PRSNSDSFQEENLRQGLPWKSLPFGAASSYLNLEKLGESYAKVYKGISRINGQLVALKVISMNAEEGV
 PFTAIREASLLKGLKHANIVLLHDI VHTKETLTFVFEYMHTDLAQYMSQHPGGLHPHNVRLFMFQLLRGL
 AYIHHQVRLHRDLKPQNLLL SHLGELKLADFLARAKSIPSQTYSEVVTLWYRPPDALLGATEYSSELD
 IWGAGCIFIEFMFGQPLFPGVSNILEQLEKIWEVLGVPTEDTWPGVSKLPNYPNPEWFPKPKQSLQIVWD
 RLGGVPEAEDLASQMLKGFPRDRVSAQEALVHDYF SVLPSQLYQLPDEESLFAVSGVKLKPMECDLSASY
 RKRHHLVGVNKCW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001033373

ORF Size: 1302 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_001033373.3](#)
RefSeq Size: 1477 bp

RefSeq ORF: 1302 bp

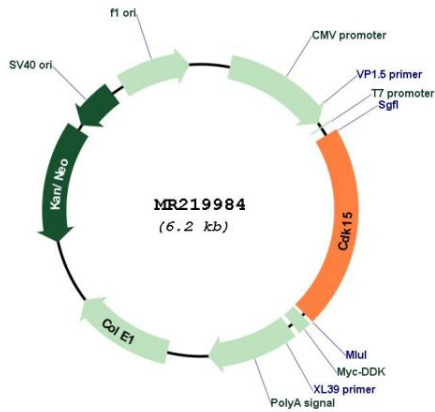
Locus ID: 271697

UniProt ID: [Q3V3A1](#)
Cytogenetics: 1 C1.3- C2

MW: 48.5 kDa

Gene Summary: Serine/threonine-protein kinase that acts like an antiapoptotic protein that counters TRAIL/TNFSF10-induced apoptosis by inducing phosphorylation of BIRC5 at 'Thr-34'. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219984