

Product datasheet for **MC224487**

Cdk13 (NM_027118) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdk13 (NM_027118) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cdk13
Synonyms: 2310015O17Rik; Cdc2l5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224487 representing NM_027118
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGCCGAGTAGCTCGGACACGGCGCTGGGGGAGGCGGGGCTGAGCTGGGCCGAGAAGAAGTTGGAGG
AGCGCCGAAGCGGAGGGCATTCTGTCCCTCAGCAGCCGCGCTGCTGTTGCCCTCTGCAGCCGCA
GCTCCTGCAACCGCCGCCCGCCCGCTCTGCTTCTCTGGTGCCTCCGCGCGGGCCGCCCGCA
GCCGCGCGCCCGCGGCCCTCTCTCTTCTGCTTACGCCCGGCCCTCTCTGGAGGTCAAGCGGCTGGCGA
GAGGCAAGAGGGCCCGGAGGGCGGCAGAAGCGCGCCGCGGGCCCGCCCGGCGAGGAGCGGAGAA
GCGCCGGGTCTTCTCGTGCCTCAGCCAGCGCAGGACGGCGGTGGCGGTGCCAGTAGCGCGGGGTGTG
ACCCCGCTGGTGGAGTACGAGGATGTGAGCTCCAGTCCGAGCAGGGGCTGCTGCTGGGGGCGCCAGCG
CGGCAACGGCGGGCAGCGCTGCCGGGGAAACGGGGGCAACGGCGGGAGTCCGGCCTCTCTCCGGCAC
GCAGAGGCGCGGAGGGGTGGAGCGCAGGCCGCGCGGGACCAGCGCAGCAGCGGGCCGAGCAAG
GAGCGCCACCGCAGCACCGCGCGGGACGGGACGCGCAGCGGAGCGGCTCAAAGGCCCGCAGCC
GCCACGGACACAGCGCGAGGAGCGGGCGGAGGCCGCAAGAGCGGCAGCAGCAGCAGCGGGCGCG
CCGCAAGAGCGCGTCCGGTACGTCCAGCAGCAGTACGAGCCGCAAGGACCGGACCTCAAGGCCACCGC
AGCCGGACTAAGTCGTCCAAGGAACCGCCTCGGCCTACAAGGAGCCGCCAAGGCTACCGGGAGGACA
AGAGCGAGCCGAAGGCTACAGCGCGCGCAGCGGTCCCTGAGCCGCTGGGAGGCCGGGACGAAAGCC
GGTGTCCACAGGGCTCGCAGAGCCTCGGAGCCGCAAGTCCCCAGTCCGGCGGGAGGTGGCAGCAGT
CCTTATCCCGCGGCTGCCGCTCCCGAGCCCTATAGCCGGCGCGCTCGCCAGCTACAGCCGCC
ACAGCTCTACGAGCGGGCGGGCAGTATCCCCAGCCGTACAGCAGCAGCAGTGGCGGCGCTCGG
CAGCCCTACAGCCAGTACTCAGACGATCTGCCAAATCCGAAGCAGAAGCCATATTCATCTAGGCAC
TCAAGATCTCGGAGCAGGCACAGATTGTCTAGATCAAGAAGTCGTCATTCAAGCATTCTCTAGCACAC
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AGCTGCAGAGGCAGAAAAGCTGCAGAAGCTGTAAGGCTGCTAAGCAGCTGCCAAAGCTGCCAAAGCC
TCAAATGCTTCTACACCTACCAAGGGAAACACAGAAACTGGTGCCAGTGTCTCACAGACAAACCATGTGA



AGGAAGTCAAAAACTTAAACTGAGCATGCACCTTCTCCTTCAAGTGGTGGGACCGTCAAAAGCGACAA
 AGCAAAAACAAAGCCACCGCTTCAAGTAACAAAGGTAGACAATAATTTGACAGTAGAGAAAGCCACCAAG
 AAAACAGTTGTTGGGAAGGAGAGTAAACCTGCTGCTACAAAGGAAGAACCAGTTTCCACTAAAGAGAAAA
 GCAAGCCACTCACACCAAGCACAGGAGCAAGGAGAAGGAGCAGCATGTGGCTTATAGTACCTCTACGTT
 ACCGCCATTACCTTTGCCTCCCATGCTGCCTGAAGATAAAGATGCTGATAGCTTAAAGAGGCAACATTTCT
 GTCAAAGCAGTTAAAAAGAAGTAGAAAAGAACTCCGATGTCTGCTTGTGATTACCATTGCCCCCTG
 AGTTACCAGGAGAGATGATCTTTCCAAGAGTCCAGAGGAGAAGAAAACAGCAGCACAGTTACATAGCAA
 ACGAAGGCCTAAAATATGTGGCCCTCGCTATGGTGAAATCAAAGAAAAAGATATTGACTGGGGAAACGC
 TGCCTGGATAAATTTGATATCATCGGAATTATTGGAGAAGGTAATTATGGACAAGTTTACAAAGCCAGGG
 ACAAAGACACGGGAGAAATGGTAGCCTTAAAGAAAGTACGTCTGGATAATGAAAAGGAGGGTTTCCCAAT
 TACAGCAATTAGAGAAATTTAAATTTCTTCGGCACTCACCCACCAGAGTATCATCAATATGAAGGAAATC
 GTGACTGATAAAGAAGATGCTTTGGATTTTAAAGAAAGACAAAGGTGCATTTTACCTGGTGTGTAATATA
 TGGACCATGATCTGATGGGACTGCTGGAATCAGGCTTGGTTCATTTTAAAGAAACCATATAAAATCTTT
 TATGAGACAGCTCATGGAAGGCCTGGATTATTGCATAAGAAGAACTTTTGCATAGAGATTAATATGT
 TCAAATATCCTTCTAAATAATAGAGGACAGATAAAACTTGCAGATTTTGGACTTGTCTGTTATATAGCT
 CAGAAGAAAGTCGCCATATACTAACAAGGTCATTACTTTGTGGTATCGTCCACCTGAATTGCTCTTGGG
 AGAAGAACGATATACACCAGCCATTGATGTATGGAGCTGTGGATGTATCCTTGGTGAACCTTCACTAAA
 AAACCTATATTTCAAGCAAACCGAAGCTTGCACAGCTAGAGCTAATAAGCCGTATATGTGGGAGTCCAT
 GTCCTGCAGTGTGGCCTGATGTAATCAAAGTGCATATTTCAACACCATGAAACCAAAGAAGCAATATCG
 GCGGAAGTTAAGAGAAGAATTTGTTTTCATCCCGCAGCTGCACTCGACTTATTCGATTACATGCTTGCC
 TTGGATCCCAGTAAGCGCTGCACTGCTGAGCAGGCTCTCAGTGTGAGTTCCTGCGAGACGTGGAACCT
 CCAAAATGCCTCCACCAGACCTTCTTTGTGGCAAGATTGTCATGAATATGGAGTAAAAAGAGAAGAAG
 ACAGAAACAGATGGGCATGACTGATGATCTTTCCACAATCAAAGCCCCTAGGAAGGACCTGCTCTGGGC
 TTAGATGACAGCAGAACTAACACACCCAGGGTGTGCTGCCACCCGACAGTTGAAATCTCAGAGCAACT
 CAAATGTAGCACCTGGTAAAAACAGACAGATCCATCAACACCACAACAGGAGTCTTCAAATCATTGGG
 AGGAGTTCAGCCTTACAGACCATCCAGCCTAAAGTGGAAACTGATGCTGCCAGGCTGCTGTGCAGAGT
 GCATTTGCAGTCTCTTACTCAGTTAATAAAGGCCAACAGTCCAAACAGAAAGATGCCATGCTAGAGG
 AAAGGGAAAAATGGATCAGGACATGAAGCTCCATTGCAACTCAGGCCTCCTCTAGAACCGAGCACTCTGG
 ATCCGGGCAAGATGACCTCATCCAGCACCAAGACAGGAGGATATTGGAGCTGACACCAGAACCAGACCGG
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 TAGATTATCGGACAGAAAACCAGCATGTTCTTACCCTAGTTCTTCAATTAAGTACCACATGCTGGAGT
 GAAGGCAGCCCTTACAGCTGCTTGTGATCAGCATCAGCCAGGATGATCCCAAAAGAGAAGGTGGTATC
 GATTATCCACAGGAGACACATATGTGCCAGTTCAGACTATAAGGACAACCTTTGGATCTTCTTTCTCTG
 CCGCTCCTTACGTTAGCAGTGTGGTCTAGGAAGTAGCTCCGCTGCTGCACCATTTGGAAGCACGTAGTTT
 CATTGGAAACTCAGATATTCAGTCTCTGGATAACTACAGTACTGCTTCACTCACACTGGTGGTCCACCT
 CAAACTTCTGCCTTACTGAGTCGTTTGGCAGTTCAGTAGCTGGATATGGAGACATTTACCTCAATGCTG
 GTCCCATGTTGTTTAGTGGAGACAAGGACCATAGATTTGAATATAGCCATGGTCTATCACAGTCCCTCAC
 AAACAGCAATGACCTTCCACAGGGCCAGAGAGTACTCATCCCTTGCCAGCAAAGATGCACAACATAAC
 TATGGTGGTAACTTACAGGAAAAATCCAGGTGGCCCTAGCCTCATGCATGGACAGACCTGGACTTCTCCTG
 CCAAGGACCTGGATATTACAAGGATACAGGGGACACATTAGCACATCAGCTGGCAGAGGTCGAGGCGAG
 AGGGTTACCATAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_027118
 Insert Size: 4356 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_027118.1</u> , <u>NP_081394.1</u>
RefSeq Size:	6901 bp
RefSeq ORF:	4356 bp
Locus ID:	69562
UniProt ID:	<u>Q69ZA1</u>
Cytogenetics:	13 A2
Gene Summary:	<p>Cyclin-dependent kinase which displays CTD kinase activity and is required for RNA splicing. Has CTD kinase activity by hyperphosphorylating the C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit RPB1, thereby acting as a key regulator of transcription elongation. Required for RNA splicing, probably by phosphorylating SRSF1/SF2. Required during hematopoiesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. It encodes isoform 2 which is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>