

Product datasheet for MC224622

Cdk13 (NM_001081058) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdk13 (NM_001081058) 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: >MC224622 representing NM_001081058
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGAGTAGCTCGGACACGGCGCTGGGGGGAGGCGGGGCCTGAGCTGGGCCGAGAAGAAGTTGGAGG
 AGCGCCGCAAGCGGAGGGGATTCTGTCCCTCAGCAGCCGCGCTGCTGTTGCCCTCTGCAGCCGCA
 GCTCCTGCAACCGCCGCCCGCCCGCTCTGCTTCTCTGGTGGCCCGGGCGGGCCGCCCGCA
 GCCGCGCGCCGCCGCGCTCCTCTCTTCTTCTAGCCCGGGCCCTCTCTGGAGGTCAAGCGGCTGGCGA
 GAGGCAAGAGGGCGCCCGGAGGGCGGCAGAAGCGGCGCCGCGGGCCCGCCCGGGCAGGAGGCGGAGAA
 GCGCCGGGTCTTCTCGTGCCTCAGCCAGCGCAGCAGGACGGCGGTGGCGGTGCCAGTAGCGGCGGGGTGTG
 ACCCCGCTGGTGGAGTACGAGGATGTGAGCTCCAGTCCGAGCAGGGGCTGCTGCTGGGGGGCGCCAGCG
 CGGCAACGGCGGGCAGCGCTGCCGGGGAAACGGGGGCAACGGCGGGAGTCCGGCCTCCTCTCCGGCAC
 GCAGAGGCGCGCGGAGGGGTGGAGCGCAGGCCGCGCGGGACCAGCCGAGCAGCAGCGGGCCGAGCAAG
 GAGCGCCACCGCAGCACCGGCGGGGACGGGACGCGCAGCGGAGCGAGGCTCAAAGGCCCGCAGCC
 GCCACGGACACAGCGGCGAGGAGCGGGCGGAGGCCGCAAGAGCGGCAGCAGCAGCAGCGGGCGCG
 CGCAAGAGCGCGTCCGGTACGTCCAGCAGCAGTAGCAGCCGCAAGGACCGGGACCTCAAGGCCACCCGC
 AGCCGGACTAAGTCGTCCAAGGAACCGCCTCGGCCTACAAGGAGCCGCCAAGGCTACCGGGAGGACA
 AGAGCGAGCCGAAGGCTACAGGCGGGCAGCGGTCCCTGAGCCGCTGGGAGGCCGGGACGAAAGCCC
 GGTGTCCACAGGGCTCGCAGAGCCTCGGAGCCGCAAGTCCCCAGTCCGGCGGGAGGTGGCAGCAGT
 CCTATTCCCGCGGCTGCCGCTCCCGAGCCCTATAGCCGGCGCGCTCGCCAGCTACAGCCGCC
 ACAGCTCTACGAGCGGGCGGGCAGTATCCCCAGCCGTCAGCAGCAGCAGCTGGCGGCGCTCGG
 CAGCCCTACAGCCAGTACTCAGACGATCTGCCAAATCCGAAGCAGAAGCCATATTCATCTAGGCAC
 TCAAGATCTCGGAGCAGGCACAGATTGTCTAGATCAAGAAGTCGTCATTCAAGCATTCTCTAGCACAC
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 AGCTGCAGAGGCAGAAAAGCTGCAGAAGCTGTAAGGCTGCTAAGCAGCTGCCAAAGCTGCCAAAGCC
 TCAATGCTTCTACACCTACCAAGGGAAACACAGAAACTGGTGCCAGTGTCTCACAGACAAACCATGTGA



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AGGAAGTCAAAAACTTAAACTGAGCATGCACCTTCTCCTTCAAGTGGTGGGACCGTCAAAAGCGACAA
 AGCAAAAACAAAGCCACCGCTTCAAGTAACAAAGGTAGACAATAATTTGACAGTAGAGAAAAGCCACCAAG
 AAAACAGTTGTTGGGAAGGAGAGTAAACCTGCTGCTACAAAGGAAGAACCAGTTTCCACTAAAGAGAAAA
 GCAAGCCACTCACACCAAGCACAGGAGCAAGGAGAAGGAGCAGCATGTGGCTTATAGTACCTCTACGTT
 ACCGCCATTACCTTTGCCTCCCATGCTGCCTGAAGATAAAGATGCTGATAGCTTAAAGAGGCAACATTTCT
 GTCAAAGCAGTTAAAAAGAAGTAGAAAAGAACTCCGATGTCTGCTTGTGATTACCATTGCCCCCTG
 AGTTACCAGGAGGAGATGATCTTTCCAAGAGTCCAGAGGAGAAGAAAACAGCAGCACAGTACATAGCAA
 ACGAAGGCCTAAAAATATGTGGCCCTCGCTATGGTGAAATCAAAGAAAAAGATATTGACTGGGGAAACGC
 TGCCTGGATAAAATTTGATATCATCGGAATTATTGGAGAAGGTAATGACAAAGTTTACAAAGCCAGGG
 ACAAAGACACGGGAGAAATGGTAGCCTTAAAGAAAGTACGTCTGGATAATGAAAAGGAGGGTTTCCCAAT
 TACAGCAATTAGAGAAATTTAAATTTCTCGGCACTCACCCACCAGAGTATCATCAATATGAAGGAAATC
 GTGACTGATAAAGAAGATGCTTTGGATTTAAGAAAGACAAAGGTGCATTTTACCTGGTGTGTAATATA
 TGGACCATGATCTGATGGGACTGCTGGAATCAGGCTTGGTTCATTTTAAAGAAACCATATAAAATCTTT
 TATGAGACAGCTCATGGAAGCCTGGATTATTGTCATAAGAAGAACTTTTGCATAGAGATATAAATGT
 TCAATATCCTTCTAAATATAGAGGACAGATAAAACTTGCAGATTTTGGACTTGTCTGTTATATAGCT
 CAGAAGAAAGTCGCCATATACTAACAAGTCACTTGTGGTATCGTCCACCTGAATTGCTCTTGGG
 AGAAGAACGATATACACCAGCCATTGATGTATGGAGCTGTGGATGTATCCTTGGTGAACCTTCACTAAA
 AAACCTATATTTCAAGCAAACAGGAACCTGCACAGCTAGAGCTAATAAGCCGTATATGTGGGAGTCCAT
 GTCCTGCAGTGTGGCCTGATGTAATCAAAGTCCATATTTCAACACCATGAAACCAAAGAAGCAATATCG
 GCGGAAGTTAAGAGAAGAATTTGTTTTCATCCCGCAGCTGCACTCGACTTATTCGATTACATGCTTGCC
 TTGGATCCCAGTAAGCGCTGCACTGCTGAGCAGGCTTTCAGTGTGAGTTCCTGCGAGACGTGGAACCT
 CCAAAATGCCTCCACCAGACCTTCTTTTGGCAAGATTGTCATGAATTTGGAGTAAAAAGAGAAGAAG
 ACAGAAACAGATGGGCATGACTGATGATCTTTCCACAATCAAAGCCCCTAGGAAGGACCTGTCTCTGGGC
 TTAGATGACAGCAGAACTAACACACCCAGGGTGTGCTGCCACCCGACAGTTGAAATCTCAGAGCAACT
 CAAATGTAGCACCTGTAATAACAGGCCCTGGACAGCCGTTAAACACAGTGAATTGGCAATTTCTTCTAAA
 CCTACTACAATCTAAATCAAGTGTAAATATGGCTGATTTTGTCCAAGTGTGAACATTAAGGTAACTCT
 GAGACTCAACAGCAGCTAAATAAAATAAACCTTCTGCTGGAATTTTGGCAACAGGTGAAAAACAGACAG
 ATCCATCAACACCACAACAGGAGTCTTCAAATCATTGGGAGGAGTTCAGCCTTACAGACCATCCAGCC
 TAAAGTGGAACTGATGCTGCCAGGCTGCTGTGCAGAGTGCATTTGCAGTCTCTTGTACTCAGTTAATA
 AAGGCCAACAGTCCAAACAGAAAGATGCCATGCTAGAGGAAAGGAAAAATGGATCAGGACATGAAGCTC
 CATTGCAACTCAGGCCTCTCTAGAACCGAGCACTCCTGGATCCGGGCAAGATGACCTCATCCAGCACCA
 AGACAGGAGGATATTGGAGCTGACACCAGAACCAGACCGCCTCGAATTCTGCCTCTGATCAACCGCCT
 CCTGAACCTCTGAACCCACCAGTACTGAGGAGGACCTAGATTATCGGACAGAAAACAGCATGTTT
 CTACCACTAGTTCTTCAATTAAGTACCCACATGCTGGAGTGAAGGCAGCCCTTACAGCTGCTTGTCTCA
 GCATCAGCCCCAGGATGATCCCAAAAGAGAAGGTGGTATCGATTATCCCACAGGAGACACATATGTGCC
 AGTTACAGACTATAAGGACAACCTTGGATCTTCTTCTCTGCCGCTCCTTACGTTAGCAGTGTGGTCTAG
 GAAGTAGTCCGCTGCTGCACATTGGAAGCACGTAGTTTCAATGGAACTCAGATATTCAGTCTCTGGA
 TAACTACAGTACTGCTTCTCACACTTGGTGGTCCACCTCAAATCTGCTTACTGAGTCTGTTTGGC
 AGTTCAGTACTGGATATGGAGACATTTACCTCAATGCTGGTCCCATGTTGTTAGTGGAGACAAGGACC
 ATAGATTTGAATATAGCCATGGTCTATCACAGTCTCACAAACAGCAATGACCCTTCCACAGGGCCAGA
 GAGTACTCATCCCTTGCAGCAAAGATGCACAATAAATATGGTGGTAACTTACAGGAAAATCCAGGT
 GGCCCTAGCCTCATGCATGGACAGACCTGGACTTCTCTGCCAAGGACCTGGATATTCACAAGGATACA
 GGGGACACATTAGCACATCAGCTGGCAGAGGTCGAGGCAGAGGGTTACCATAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081058
Insert Size: 4536 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:	NM_001081058.2 , NP_001074527.1
RefSeq Size:	7081 bp
RefSeq ORF:	4536 bp
Locus ID:	69562
UniProt ID:	Q69ZA1
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 (1) represents the longer transcript and encodes the longer 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>