

Product datasheet for SC113042

CLK4 (NM_020666) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLK4 (NM_020666) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLK4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene ORF sequence for NM_020666 edited</p> <pre> ATGCGGCATTCCAAAAGAACTCACTGTCCTGATTGGGATAGCAGAGAAAGCTGGGGACAT GAAAGCTATCGTGAAGTCACAAGCGGAAGAGGAGATCTCATAGTAGCACACAAGAGAAC AGGCATTGTAAACCACATCACCAGTTTAAAGAATCTGATTGTCTATTTAGAAGCAAGG TCCTTGAATGAGCGAGATTATCGGGACCGGAGATACGTTGACGAATACAGGAATGACTAC TGTGAAGGATATGTTCTAGACATTATCACAGAGACATTGAAAGCGGGTATCGAATCCAC TGCAGTAAATCTTCAGTCCGCAGCAGGAGAAGCAGTCCTAAAAGGAAGCGCAATAGACAC TGTTCAAGTCATCAGTCCGTCGAGGACCCGAAAGGAAAAGATCCAGGAGTATAGAG GATGATGAGGAGGGTCACCTGATCTGTCAAAGTGGAGACGTTCTAAGAGCAAGATATGAA ATCGTGGACACTTTGGGTGAAGGAGCCTTTGGCAAAGTTGTAGAGTGCATTGATCATGCC ATGGATGGCATGCATGTAGCAGTAAAAATCGTAAAAAATGTAGGCCGTTACCGTGAAGCA GCTCGTTTCAGAAATCCAAGTATTAGAGCACTTAAATAGTACTGATCCCAATAGTGTCTTC CGATGTGTCCAGATGCTAGAATGGTTTGATCATCATGGTCATGTTTGTATTGTGTTTGAA CTACTGGGACTTAGTACTTACGATTTTCATTAAGAAAACAGCTTTCTGCCATTTCAAATT GACCACATCAGGCAGATGGCGTATCAGATCTGCCAGTCAATAAAATTTTTACATCATAAT AAATTAACCCATACAGATCTGAAGCCTGAAAATATTTTGTGTTGTGAAGTCTGACTATGTA GTCAAATATAATTCTAAAATGAAACGTGATGAACGCACACTGAAAACACAGATATCAA GTTGTTGACTTTGGAAGTGAACGTATGATGATGAACATCACAGTACTTTGGTGTCTACC CGGCACTACAGAGCTCCCGAGGTCATTTTGGCTTTAGGTTGGTCTCAGCCTTGTGATGTT TGGAGCATAGGTTGCATTCTTATTGAATATTACCTTGGTTTCACAGTCTTTCAGACTCAT GATAGTAAAGAGCACCTGGCAATGATGGAACGAATATTAGGACCCATACCACAACACATG ATTCAGAAAACAAGAAAACGCAAGTATTTTACCATAACCAGCTAGATTGGGATGAACAC AGTTCTGCTGGTAGATATGTTAGGAGACGCTGCAAACCGTTGAAGGAATTTATGCTTTGT CATGATGAAGAACATGAGAACTGTTTGACCTGGTTTGAAGAATGTTAGAATATGATCCA ACTCAAAGAATTACCTTGGATGAAGCATTGCAGCATCCTTTCTTTGACTTATTAATAAAG AAATGA </pre>



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020666 unedited
 AGACATTTCGCACGAGGGGGATTCTAGGGCGACGGCGTGCCGCCATTTTGTGGGGTGT
 TTCGCGACGGCCGAGGAGGGAAGACGGCAGTTTGGCGACATTTCTCGGCCGAAGGGCCAT
 TTGCTTTTGC GGAGATGCGGCATTCCAAAAGAACTCACTGTCCTGATTGGGATAGCTTTT
 TTAGCTGGGGACATGAAAGCTATCGTGGAAGTCACAAGCGGAAGAGGAGATCTCATAGTA
 GCACACAAGAGAACAGGCATTGTAACCCATCACCAGTTTAAAGAATCTGATTGTCTATT
 ATTTAGAAGCAAGTCTTGAATGAGCGAGATTATCGGGACCGGAGATACGTTGACGAAT
 ACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGAGACATTGAAAGCG
 GGTATCGAATCCACTGCAGTAAATCTTCCAGTCCGCGAGCAGGAGAAGCAGTCTTAAAGGA
 AGCGCAATAGACACGGTTCAAGTCATCAGTCACGTTTGAAGAGCCACCGAAGGAAAAGAT
 CCAGGAGTATAGAGGATGATGAGGAGGGTACCTGATCTGTCAAAGTGGAGACGTTCTAA
 GAGCAAGATATGAAATCGTGGACACTTTGGGTGAAGGAGCCTTTGGCANAGTTGTAGAGT
 GCATTGATCATGGCATGGATGGCATGCATGTAGCAGTAAAATCGTAAAAATGTANGCCG
 TTACCGTGAAGCAGCTCGTTCAGAAATCCAAGTATTAGAGCACTTAAATAGTACTGATCC
 CCATAGTGTCTTCCGATGTGTCCAGATGCTAGAATGGTTTGATCATCATGGTCATGTTTT
 GTATTGTGGTTTGAACACTACTGGNACTTAGTACTTACGATTTTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020666 unedited
 CTTTGAACCGCCGCCCTAACCAAAATCCAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TGAAATCAAAGTTTAAATGTAACCAATCCAATTAATTTCTGGAAATTTTCAGCACCCTTT
 CTTCCAAACTGCTTTCCAATCAAACCCTTTTCTCCCGTAAGAAATTATCACAGACATA
 AATTGCCTAATTAATAAACTTAATTTCTATAGGTTAACGTATTTATGTCATTTGATAAAC
 AGAATGCTGGCCAATGTTAAAACCTCCTAAGGACTTGGTATTAATAAACTGAAACCTCTCAT
 CAAAATTTCTATTTTTATCTGGGACTCACCAACATACTTGGAAATGTCCATTTTCCA
 AGCTGACTTTCCAGTTAGATTTAATCTTAAATAAAGTGTGTATGTGGTTTTTATAAACA
 AACTGTCACAATGGACAACTGCATGCCTTTCCATGAATGCTGTTATCACCCCTGACAT
 CACCCAATGAAAAAGAATACAACACTTAAAATTTAATAGAATTCTAACAGTAAACATTTT
 CTGAGTTTTGGTTTCTAGTACCTGCTTATCTAGAGTTAATAATAATCACCCGTTCAACAA
 TTACAGAAGAAAACTTTTAAAGTTAAGTTCTAAATTTGAAGTATATAAAGAATATTCTCT
 TTAAGAATATAAAGTAGTCAAGATTTCTTTTACTCAAAAAAATCACTTCAAGAGGTGAC
 CTCATGTACAAAAGCAAGATCAATCCATTTACTGGACACAAAGGATATTTCAAAG
 GTATTTAAAATGGTAATTTACAAAAGAAAAATTAATTTAATTTTTCTAAGGCTTATCC
 AGACCCTACTTGCTTAAACAAGTAATTATGCTATTGATACAAAACAACATATTACCTAA
 CTGTCCAATAATTTAATGTTACAAAATTTAAATGGTTATTTGACTGAACAGTCTAGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_020666

Insert Size:

2750 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_020666.2</u> , <u>NP_065717.1</u>
RefSeq Size:	2524 bp
RefSeq ORF:	1446 bp
Locus ID:	57396
UniProt ID:	<u>Q9HAZ1</u>
Cytogenetics:	5q35.3
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>The protein encoded by this gene belongs to the CDC2-like protein kinase (CLK) family. This protein kinase can interact with and phosphorylate the serine- and arginine-rich (SR) proteins, which are known to play an important role in the formation of spliceosomes, and thus may be involved in the regulation of alternative splicing. Studies in the Israeli sand rat <i>Psammomys obesus</i> suggested that the ubiquitin-like 5 (UBL5/BEACON), a highly conserved ubiquitin-like protein, may interact with and regulate the activity of this kinase. Multiple alternatively spliced transcript variants have been observed, but the full-length natures of which have not yet been determined. [provided by RefSeq, Jul 2008]</p>