

Product datasheet for **SC336473**

CLK2 (NM_001294338) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLK2 (NM_001294338) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLK2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

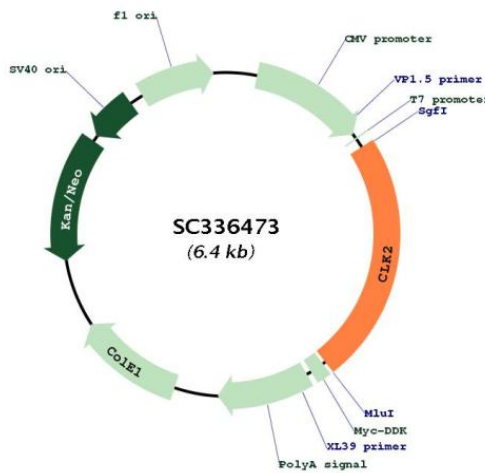
Fully Sequenced ORF: >SC336473 representing NM_001294338.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCGCATCCTCGAAGGTACCACTCCTCAGAGCGAGGCAGCCGGGGGAGTTACCGTGAACACTATCGG
AGCCGAAAGCATAAGCGACGAAGAAGTCGCTCCTGGTCAAGTAGTAGTACCAGGACACGACGGCGTCGG
CGAGAGGACAGCTACCATGTCCGTTCTCGAAGCAGTTATGATGATCGTTCCGACCGGAGGGTGTAT
GACCGGGGATACTGTGGCAGCTACAGACGCAACGATTATAGCCGGGATCGGGGAGATGCCTACTATGAC
ACAGACTATCGGCATTCCTATGAATATCAGCGGGAGAACAGCAGTTACCGCAGCCAGCGCAGCAGCCGG
AGGAAGCACAGACGGCGGAGGAGGCGCAGCCGGACATTTAGCCGCTCATCTTCGACGACAGCAGCCGG
AGAGCCAAGAGTGTAGAGGACGACGCTGAGGGCCACCTCATCTACCACGTCGGGGACTGGCTACAAGAG
CGATATGAAATCGTTAGCACCTTAGGAGAGGGACCTTCGGCCGAGTTGTACAATGTGTTGACCATCGC
AGGGGTGGGGCTCGAGTTGCCCTGAAGATCATTAGAATGTGGAGAAGTACAAGGAAGCAGCTCGACTT
GAGATCAACGTGTAGAGAAAATCAATGAGAAAGACCCTGACAACAAGAACCTCTGTGTCCAGATGTTT
GACTGGTTTGACTACCATGGCCACATGTGTATCTCCTTTGAGCTTCTGGGCCCTAGCACCTTCGATTTT
CTCAAAGACAACAACCTACCTGCCCTACCCCATCCACCAAGTGCGCCACATGGCCTTCCAGCTGTGCCAG
GCTGTCAAGTTTCCATGATAACAAGCTGACACATACAGACCTCAAGCCTGAAAATATTCTGTTTGTG
AATTCAGACTATGAGTCACTACAACCTAGAGAAGAAGCGAGATGAGCGCAGTGTGAAGAGCACAGCT
GTGCGGGTGGTAGACTTTGGCAGTGCCACCTTTGACCATGAGCACCATAGCACCATTGTCTCCACTCGC
CATTACCGAGCACCAGAAGTCATCCTTGAGTTGGGCTGGTACAGCCTTGTGATGTGGAGTATAGGC
TGCATCATCTTTGAATACTATGTGGGATTCACCCTCTCCAGACCCATGACAACAGAGAGCATCTAGCC
ATGATGAAAAGGATCTTGGTCTATCCCTTCCGGATGATCCGAAAGACAAGAAAAGCAGAAATATTTT
TACCGGGGTGCCTGGATTGGGATGAGAACACATCAGCTGGGCGCTATGTTTCGTGAGAAGTCAAAACCG
CTGCGGGGTATCTGACCTCAGAGGCAGAGGAACACCACAGCTCTTCGATCTGATTGAAAGCATGCTA
GAGTATGAACCAGCTAAGCGGCTGACCTTGGGTGAAGCCCTTCAGCATCCTTTCTTCGCCCGCTTCGG
GCTGAGCCGCCAAACAGTTGTGGGACTCCAGTCGGGATATCAGTCGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001294338

Insert Size: 1500 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_001294338.1
RefSeq Size:	2203 bp
RefSeq ORF:	1500 bp
Locus ID:	1196
UniProt ID:	P49760
Cytogenetics:	1q22
Protein Families:	Druggable Genome, Protein Kinase
MW:	60.1 kDa
Gene Summary:	<p>This gene encodes a dual specificity protein kinase that phosphorylates serine/threonine and tyrosine-containing substrates. Activity of this protein regulates serine- and arginine-rich (SR) proteins of the spliceosomal complex, thereby influencing alternative transcript splicing. Chromosomal translocations have been characterized between this locus and the PAFAH1B3 (platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa)) gene on chromosome 19, resulting in the production of a fusion protein. Note that this gene is distinct from the TELO2 gene (GeneID:9894), which shares the CLK2 alias, but encodes a protein that is involved in telomere length regulation. There is a pseudogene for this gene on chromosome 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>