

Product datasheet for **MC218519**

Clk3 (BC085084) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clk3 (BC085084) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clk3
Synonyms:	MGC36552
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC085084
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCATCACTGTAAGCGATACCGTTCCCCAGAGCCAGACCCATACCTGAGCTACCGCTGGAAGAGGAGGC
GGTCTTACAGTCGGGAGCATGAAGTTCGACTACGATACCCATCCCGAAGGGAGCCTCCCCACGGAGATC
ACGGTCCAGAAGCCATGATCGTATACCCTACCAGCGGAGGTACCGGGAACACCGTGACAGTGATACGTAT
CGGTGTGAAGAGCGGAGCCCATCTTTGGAGAGGACTGCTATGGGTCTTCACGTTCTCGACATCGGAGAC
GGTCACGAGAGAGGGCGCCGTACCGTACCCGCAAGCATGCCACCACTGTCACAAACGCCGTACCAGGTC
TTGTAGCAGTGCTTCTCGAGAAGCCAACAGAGCAGTAAGCGCAGCAGCCGGAGTGTGGAAGATGACAAG
GAGGGCCACCTGGTGTGCCGGATCGCGATTGGCTCCAAGAGCGATATGAGATCGTGGGGAACCTGGGTG
AAGGCACCTTTGGCAAGGTGGTGGAGTGTGGACCATGCCAGAGGGAAGTCACAGGTTGCCCTGAAGAT
CATCCGTAATGTGGCAAGTATCGGGAAGCTGCTCGTCTAGAAATTAATGTTCTCAAGAAAATCAAGGAG
AAAGACAAGGAAAATAAGTTCCTTTGTGTCCTGATGCTGACTGGTTCAACTTCCATGGTCATATGTGCA
TCGCCTTTGAGCTCCTGGCAAGAACACCTTTGAGTTCCTGAAGGAGAACAACCTCCAGCCTTACCCCT
ACCACATGTCCGGCACATGGCCTACCAGCTCTGTCATGCCCTTAGATTTCTACACGAGAACCAGCTGACC
CACACAGACTTGAAGCCAGAGAACATCTTGTGTTGTAATTCTGAGTTTGAACCCCTTACAATGAGCACA
AGAGCTGCGAGGAGAAGTCAGTGAAGAACCAGCATCCGAGTGGCAGACTTTGGCAGTGCCACGTTTGA
CCATGAACATCACACCACATTGTGGCCACCCGTCCTACCAGCCACCTGAGGTGATCCTTGAGCTGGGC
TGGGCACAGCCCTGTGATGCTGGAGTATCGGCTGCATTCTTTGAGTACTACCGTGGCTTTACACTCT
TCCAGACCATGAAAATAGAGAACAACCTTGGTTATGATGGAGAAGATTCTAGGACCATCCCATCACAT
GATCCACCGTACCAGGAAGCAGAAATATTTCTACAAAGGGGGCCTGGTTTGGGATGAGAACAGCTCTGAT
GGCGGTATGTGAAGGAGAACTGCAACCTCTGAAGGTTACATGCTGCAGGACTCCCTGGAGCATGTGC
AGCTGTTTGACCTGATGAGGAGGATGTTAGAGTTCGACCTGCTCAGCGCATCACATTGGCAGAAGCCTT
GCTGCACCCCTTCTTTGCTGGCCTGACCCTGAGGAGCGGTCTTCCACAGCAGCCGTAACCCAGCAGA
TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: BC085084

Insert Size: 1473 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:

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: [BC085084](#), [AAH85084](#)

RefSeq Size: 1778 bp

RefSeq ORF: 1472 bp

Locus ID: 102414

Cytogenetics: 9 B

Gene Summary: Dual specificity kinase acting on both serine/threonine and tyrosine-containing substrates. Phosphorylates serine- and arginine-rich (SR) proteins of the spliceosomal complex. May be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing and can cause redistribution of SR proteins from speckles to a diffuse nucleoplasmic distribution. Phosphorylates SRSF1 and SRSF3. Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells.[UniProtKB/Swiss-Prot Function]