

Product datasheet for **MC220026**

Clk3 (NM_007713) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clk3 (NM_007713) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clk3
Synonyms:	A1256811
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220026 representing NM_007713
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGTCTCTCCGCGCAGGAAGAGGCTGGCGAGCACAGCTGGGCCGCGGCCGGGAAGCGGCCCA
 GCCTGGCAGTCCGGTGGGTTCTCTTTAGGCCAGAGCCGTCTCAGACCGTGGTCGCGCACCGATGCG
 GCCTCGGGGGCTACGTGCAGCACACAGGAGAGGGGAGGCCGCGGCCGAGGCTGCTCCCGGGACCT
 CCGGGAAGAGACCTCCACCGATGTCGCCCGGACCTGGCGGGGAGGCCAGTCCCCAGAGTCTGCGAGT
 TCGGGGCTAGAGCGGTACGGCTCTGGCCGGGTCTGAGCCGGGCGCCGACGGTGCCTCACGCGAGGG
 GGCGGTGCTGCCACGGGCGGAGGCCAGAGCCGGAAGCGGAAGAGGCGCTCGGAGTGGGGAGTGGGCCTA
 GCCGACGGGAGCCTGGGAGACGATGCATCACTGTAAGCGATACCGTCCCCAGAGCCAGACCCATAACC
 TGAGCTACCGCTGGAAGAGGAGCGGTCTTACAGTCGGGAGCATGAAGGTCGACTACGATACCCATCCCG
 AAGGGAGCCTCCCCACGGAGATCACGGTCCAGAAGCCATGATCGTATACCCTACCAGCGGAGGTACCGG
 GAACACCGTGACAGTGATACGTATCGGTGTGAAGAGCGGAGCCATCTTTTGAGAGGAGACTGCTATGGGT
 CTTACGTTCTCGACATCGGAGACGGTACGAGAGAGGGCGCCGTACCGTACCCGCAAGCATGCCACCA
 CTGTACAAAACGCCGTACCAGGTCTTGTAGCAGTGCTTCTCGAGAAGCCAACAGAGCAGTAAGCGCAGC
 AGCCGGAGTGTGGAAGATGACAAGGAGGGCCACCTGGTGTGCCGGATCGGCGATTGGCTCCAAGAGCGAT
 ATGAGATCGTGGGAACTGGGTGAAGGCACCTTTGGCAAGTGGTGGAGTGTGGACCATGCCAGAGG
 GAAGTCACAGGTTGCCCTGAAGATCATCCGTAATGTGGCAAGTATCGGGAAGCTGCTCGTCTAGAAATT
 AATGTTCTCAAGAAAATCAAGGAGAAAGACAAGGAAAATAAGTTCCTTTGTCTGATGTCTGACTGGT
 TCAACTCCATGGTCATATGTGCATCGCCTTTGAGCTCCTGGCAAGAACACCTTTGAGTTCCTGAAGGA
 GAACAACCTCCAGCCTTACCCCTACCACATGTCCGGCACATGGCCTACCAGCTCTGTATGCCCTTAGA
 TTTCTACACGAGAACCAGCTGACCCACACAGACTTGAAGCCAGAGAACATCTTGTGTTGTAATTCTGAGT
 TTGAAACCCTCTACAATGAGCACAAGAGCTGCGAGGAGAAGTCAAGTGAAGAACACCAGCATCCGAGTGGC
 AGACTTTGGCAGTGCCACGTTTGACCATGAACATCACACCACCTTGTGGCCACCCGTCCTACCGCCCA
 CCTGAGGTGATCCTTGAGCTGGGCTGGGCACAGCCCTGTGATGTCTGGAGTATCGGCTGCATTCTCTTTG
 AGTACTACCGTGGCTTTACTCTTCCAGACCCATGAAAATAGAGAACACTTGGTTATGATGGAGAAGAT
 TCTAGGACCCATCCCATCACATGATCCACCGTACCAGGAAGCAGAAAATTTTCTACAAAGGGGCGCTG
 GTTTGGGATGAGAACAGCTCTGATGGGCGGTATGTGAAGGAGAACTGCAAACCTCTGAAGAGTTACATGC
 TGCAAGACTCCCTGGAGCATGTGACAGCTGTTGACCTGATGAGGAGGATGTTAGAGTTCCACCCTGCTCA
 GCGCATCACATTGGCAGAAGCCTTGTGCACCCCTTCTTTGCTGGCTGACCCCTGAGGAGCGGTCTCTTC
 CACAGCAGCCGTAACCCAGCAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_007713
- Insert Size:** 1917 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_007713.4 , NP_031739.3
RefSeq Size:	2494 bp
RefSeq ORF:	1917 bp
Locus ID:	102414
UniProt ID:	O35492
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]