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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:	AI256811
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGTCCTCTCCGCGCGCAGGAAGAGGCTGGCGAGCACAGCTGGGCCGCGGCGGGGAAGCGGCCCCA
GCCTGGCAGTCCGGTGGGTTCCTCCTTTAGGCCCAGAGCCGTCCTCAGACCGTGGTCGCGCACCGATGCG
GCCTCGGGGGCCTACGTGCAGCACCACACGGAGAGGGGCAGGCCGCGGCCCGAGGCTGCTCCCGGGACCT
CCGGGAAGAGACCTCCACCGATGTCGCCCGGACCCTGGCGGGGCAGGCCAGTCCCCCAGAGTCTGCGAGT
TCGGGGCTAGAGCGGTCAGGCCTCTGGGCCGGGTCGAGCCCGGGCCGCCGACGGCTGCGTCACGCGAGGG
GGCGGTGCTGCCACGGGCGGAGGCCAGAGCCGGAAGCGGAAGAGGCGCTCGGAGTGGGGAGTGGGGCCTA
GCCGCAGCCGGAGCCTGGGAGACGATGCATCACTGTAAGCGATACCGTTCCCCAGAGCCAGACCCATACC
TGAGCTACCGCTGGAAGAGGAGGCGGTCTTACAGTCGGGAGCATGAAGGTCGACTACGATACCCATCCCG
AAGGGAGCCTCCCCCACGGAGATCACGGTCCAGAAGCCATGATCGTATACCCTACCAGCGGAGGTACCGG
GAACACCGTGACAGTGATACGTATCGGTGTGAAGAGCGGAGCCCATCTTTTGGAGAGGACTGCTATGGGT
CTTCACGTTCTCGACATCGGAGACGGTCACGAGAGAGGGCGCCGTACCGTACCCGCAAGCATGCCCACCA
CTGTCACAAACGCCGTACCAGGTCTTGTAGCAGTGCTTCCTCGAGAAGCCAACAGAGCAGTAAGCGCAGC
AGCCGGAGTGTGGAAGATGACAAGGAGGGCCACCTGGTGTGCCGGATCGGCGATTGGCTCCAAGAGCGAT
ATGAGATCGTGGGGAACCTGGGTGAAGGCACCTTTGGCAAGGTGGTGGAGTGCTTGGACCATGCCAGAGG
GAAGTCACAGGTTGCCCTGAAGATCATCCGTAATGTGGGCAAGTATCGGGAAGCTGCTCGTCTAGAAATT
AATGTTCTCAAGAAAATCAAGGAGAAAGACAAGGAAAATAAGTTCCTTTGTGTCCTGATGTCTGACTGGT
TCAACTTCCATGGTCATATGTGCATCGCCTTTGAGCTCCTGGGCAAGAACACCTTTGAGTTCCTGAAGGA
GAACAACTTCCAGCCTTACCCCCTACCACATGTCCGGCACATGGCCTACCAGCTCTGTCATGCCCTTAGA
TTTCTACACGAGAACCAGCTGACCCACACAGACTTGAAGCCAGAGAACATCTTGTTTGTGAATTCTGAGT
TTGAAACCCTCTACAATGAGCACAAGAGCTGCGAGGAGAAGTCAGTGAAGAACACCAGCATCCGAGTGGC
AGACTTTGGCAGTGCCACGTTTGACCATGAACATCACACCACCATTGTGGCCACCCGTCACTACCGCCCA
CCTGAGGTGATCCTTGAGCTGGGCTGGGCACAGCCCTGTGATGTCTGGAGTATCGGCTGCATTCTCTTTG
AGTACTACCGTGGCTTTACACTCTTCCAGACCCATGAAAATAGAGAACACTTGGTTATGATGGAGAAGAT
TCTAGGACCCATCCCATCACACATGATCCACCGTACCAGGAAGCAGAAATATTTCTACAAAGGGGGCCTG
GTTTGGGATGAGAACAGCTCTGATGGGCGGTATGTGAAGGAGAACTGCAAACCTCTGAAGAGTTACATGC
TGCAGGACTCCCTGGAGCATGTGCAGCTGTTTGACCTGATGAGGAGGATGTTAGAGTTCGACCCTGCTCA
GCGCATCACATTGGCAGAAGCCTTGCTGCACCCCTTCTTTGCTGGCCTGACCCCTGAGGAGCGGTCCTTC
CACAGCAGCCGTAACCCCAGCAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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).

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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:	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]

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