

Product datasheet for **MC205695**

Clk4 (NM_007714) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clk4 (NM_007714) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clk4
Synonyms:	A1987988; C85119
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC012675
 CCACGCGTCCGATTTTGTGCGGTGTCTGTCGCAGCGGCTGGAGAGGAACGACGGCGGTTTGGCGACATTTCTCGGCCAAAAGGCCGCTTGTCTTTTGGGAGATGCGGCATTCCAAACGAACTACTGTCTGATTGGGATAGTAGAGAAAAGCTGGGGCCATGAAAGCTACAGTGGAAAGTCAAAACGCAAGAGAAGGTCTCACAGCAGTACTCAGGAGAACAGGCAGCTGTAACCACATCATCAGTTTAAAGACTCGGATTGTCACTATTTAGAAGCAAGATGCTTGAATGAGAGAGATTATCGGGACCGGAGATACATTGATGAATACAGAAATGACTACTGCGAAGGATGTTCCAAAGACATTACCATAGAGACGTTGAAAGCACTTACCGGATCCATTGCAGTAAATCCTCAGTCAGGACGAGAGAAGCAGCCCTAAGAGAAAAGCGTAATAGACCCTGTGCAAGTCATCAGTCGCATTCTGAAGAGCACCGAAGGAAAAGATCCAGGAGTATAGAGGATGATGAGGAGGGTACCTGATCTGTCAAAGTGGAGACGTTCTAAGAGCAAGATATGAAATCGTGGACACTTTAGGTGAAGGAGCCTTTGGCAAAGTTGTAGAGTGCATGATCACGGCATGGATGGCTTACATGTAGCAGTAAAAATTGTAATAAATGTAGGCCGTTACCGGGAGGCA GCTCGTTCTGAAATCCAAGTATTGGAGCACTTGAACAGCACTGACCCCAACAGTGTCTTCCGATGCGTCCAGATGCTAGAGTGGTTTGTATCATCATGGTCATGTTTGTATTGTGTTTGTGCTGGGACTTAGTACCTATGATTTTATTAAGAAAATAGTTTTCTGCCATTTCAAATTGATCATCATCAGGCAAATGGCTTATCAGATCTGCCAGTCTATAAATTTTTTACATCATAATAAATTAACACACACGACCTAAAACCTGAAAATATTTTATTTGTGAAGTCTGACTATGTAGTCAAATACAATTCTAAAATGAAACGAGATGAGCGCACATTGAAAAACACAGATATCAAAGTTGTTGATTTTGGAAAGTCAACATATGACGACGAACATCATAGTACTTTGGTGTCCACAAGGCACTACAGGGCTCCAGAGGTCATTTTGGCTCTAGGTTGGTCTCAGCCTTGTGATGTTTGGAGCATAGGCTGCATTCTTATTGAGTACTACCTTGGGTTTACAGTCTTTCAGACCCACGATAGTAAAGAGCACCTGGCAATGATGGAGCGGATCTTAGGACCCATCCCAGCACATATGATCCAGAAGACAAGGAAACGCAAGTATTTCCACCATAACCAGCTAGATTGGGACGAGCATAGTTCAGCTGGGAGATATGTTAGGAGACGCTGCAAGCCGTAAAGGAATTTATGCTGTGTATGACGAAGAGCATGAGAAGCTGTTTACCTGGTTCGAAGAATGTTGGA GTATGACCCAGCGAGAAGGATCACCTTGGATGAAGCATTGCAGCACCTTTCTTTGACTTATTAAGGAAAGGAAATGAGTGGGAGTCAGGGGTCTTCTGTGTAATCTCTAGGAGCAGTACTTCCAGACTGTGTGTCAGTCAACTAAACCTTCTAATATTTTTGTAACATTAATTTTGTACAGTTAATTGTAATACTGTATGTTTTGTATCAATAGCATAACTACCTTGTAAAGTATGGTGTGATAATGAATGCAATACAAGAGTTACAATGAATTTTCTTTTGTGTTAATTGCCGCTTTAAAGGCTTTTGAATGCCCTTTGTGTCCAGTGATAAACGTGATTGGTCCCCTCTTTGTACATGAAGTTGACTCTGAAGTGATTTTTTTTTTCTCAAGTAAAAGGAAATCTTGAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_007714

Insert Size: 1446 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: [BC012675](#), [AAH12675](#)

RefSeq Size: 1914 bp

RefSeq ORF: 1446 bp

Locus ID: 12750

UniProt ID: [O35493](#)

Cytogenetics: 11 B1.3

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 and may be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing. Phosphorylates SRSF1 and SRSF3. Required for the regulation of alternative splicing of MAPT/TAU. Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.