

## Product datasheet for **MC216620**

### Clk1 (NM\_001042634) Mouse Untagged Clone

#### Product data:

|                    |  |
|--------------------|--|
| Product Type:      | Expression Plasmids                      |
| Product Name:      | Clk1 (NM_001042634) Mouse Untagged Clone |
| Tag:               | Tag Free                                 |
| Symbol:            | Clk1                                     |
| Synonyms:          | STY                                      |
| Vector:            | pCMV6-Entry (PS100001)                   |
| E. coli Selection: | Kanamycin (25 ug/mL)                     |
| Cell Selection:    | Neomycin                                 |



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**Fully Sequenced ORF:** >MC216620 representing NM\_001042634  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGACATTCAAAGAGAACTTACTGTCCTGACTGGGATGAAAGAGACTGGGATTATGGAACATGGAGAA  
GCAGCAGCAGTCACAAAAGAAAGAGATCACATAGCAGCGCCCGTGAGCAAAAGCGCTGCAGGTACGA  
TCACTCCAAAACGACAGACAGCTATTATCTGGAAGCAGATCCATAAATGAGAAAGCTTATCATAGTCGA  
CGCTATGTTGATGAATACAGGAATGACTACATGGGCTACGAGCCAGGCCATCCCTATGGAGAACCTGGAA  
GCAGATACCAGATGCATAGTAGCAAGTCTCTGGTAGGAGTGGAAGAAGCAGTTACAAAAGTAAACACAG  
GAGTCGCCACCACACTTCGACGACCATTACACGCGGAAGAGTACCGAAGGAAAAGATCGAGGAGTGTA  
GAGGATGATGAGGAGGTACCTGATCTGTCAGAGTGGAGACGTACTAAGTGCAAGATATGAAATTTGTTG  
ATACTTTAGTGAAAGTGCTTTTCGAAAAGTGGTGAATGCATCGATCATAAAGTGGGAGGTAGACGTGT  
AGCAGTAAAAATAGTTAAAAATGTGGATAGATACTGTGAAGCTGCTCAATCGGAAATACAAGTTTTGGAA  
CACTTGAATACAACAGACCCCATAGTACTTTCCGTTGTGTCCAGATGTTGGAGTGGTTTGAGCATCGAG  
GTCACATTTGCATTGTGTTTGAACCTTCTGGGGCTTAGTACTTATGATTTCAATTAAGGAAAACAGTTTTCT  
GCCGTTTCGAATGGATCATATCAGGAAGATGGCATATCAAATATGCAAATCTGTAACCTTTTTGCATAGT  
AATAAATTGACTCATACAGACTTGAAGCCTGAAAACATCTTATTTGTGAAGTCTGACTACACAGAGGCTT  
ATAATCCCAAAATGAAACGTGATGAACGTAATAGTAAATCCAGATATTAAGTGGTGGACTTTGGAG  
TGCAACATATGATGATGAACACCACAGCACATTGGTATCTACAAGACATTATAGACACCCGAAGTTATT  
TTAGCCCTCGGGTGGTCACAGCCATGTGATGTCTGGAGCATAGGATGATTCTTATCGAGTATTATCTTG  
GATTTACAGTTTTTCCGACTCATGATAGCAGGGAACATTTAGCAATGATGGAAGGATTTGGACCACT  
ACCAAAGCACATGATACAGAAAACAGGAAACGCAGATATTTCCATCATGATCGATTAGATTGGGATGAA  
CACAGTCTGCTGGCAGATATGTTTCTCGCGCTGTAACCTCTGAAGGAGTTTATGCTATCTCAGGATG  
CCGAACATGAGCTTCTCTTTGACCTCATTGGGAAAATGTTGGAGTATGATCCCGCCAAAAGAATTACTCT  
CAAAGAAGCCCTAAAGCATCCTTTCTTTTACCACTTAAAAAGCATACGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001042634

**Insert Size:** 1452 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: [NM\\_001042634.2](#), [NP\\_001036099.1](#)

RefSeq Size: 1830 bp

RefSeq ORF: 1452 bp

Locus ID: 12747

UniProt ID: [P22518](#)

Cytogenetics: 1 29.09 cM

**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, SRSF3 and PTPN1. Regulates the alternative splicing of tissue factor (F3) pre-mRNA in endothelial cells and adenovirus E1A pre-mRNA. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.