

## Product datasheet for **MC205398**

### **Csnk1e (NM\_013767) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Csnk1e (NM_013767) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Csnk1e
Synonyms:	AI426939; AI551861; AW457082; CK1epsilon; CK1e; KC1epsilon; tau
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC026127  
 CCACGCGTCCGCCGGGAGAGGCTGGCGCGCCCGCGCCCGCGCAATCCTCTGGCATCCGCCCGGCGGG  
 CCGCCCCGGCGCGTTGAAGCATGGAGCTGCGTGTGGAAATAAGTATCGCCTGGGCCGAAAGATCGGCA  
 GTGGCTCCTTTGGAGACATCTACCTGGGTGCCAACATTGCCTCTGGTGAGGAAGTAGCCATCAAGCTCGA  
 ATGTGTAAGACGAAACATCCCCAGCTCCACATCGAGAGCAAGTTCTACAAGATGATGCAGGGCGGAGTG  
 GGGATCCCGTCCATCAAGTGGTGGGGGCTGAGGGAGACTATAACGTGATGGTCATGGAGCTGCTGGGGC  
 CCAGCTGGAGGACCTCTTCAACTTCTGTTCCCGGAAGTTCAGCCTCAAGACGGTCTGTTGCTGGCCGA  
 CCAGATGATCAGCCGCATCGAGTACATACTCAAGAACTTCATCCACGGGATGTGAAGCCCGACAAC  
 TTCTCATGGGCTGGGGAAGAAAGCAACCTGGTGTACATCATTGACTTCGGCCTGGCCAAAGAAGTACC  
 GCGATGCCCGCACACACCAGCATATTCCCTACCGGAAAAACAAGAACCTGACCGGCACTGCCCGCTATGC  
 CTCTATCAACACCCACCTGGGCATTGAGCAAAGCCGTCGAGATGACCTAGAGAGCTTGGGCTATGTGCTC  
 ATGTACTTCAACCTGGGCTCCCTGCCCTGGCAGGGCCTCAAAGCAGCCACCAAGCGTCAGAAGTACGAGC  
 GGATTAGCGAGAAGAAGATGTCAACGCCAATCGAGGTCCTCTGCAAAGGCTACCCCTCCGAGTTCTCAAC  
 ATACCTCAACTTCTGCCCTCCCTGCGGTTGATGATAAGCCTGACTACTCTACCTGCGCCAGCTCTTC  
 CGAAATCTTTTACCGGAGGGTTTCTCTACGACTACGTCTTGGACTGGAACATGCTCAAATTCGGTG  
 CAGCCCGAATCCCGAGGATGTAGACCGGAAAGACGGGAGCACGAACCGGAAGAGAGGATGGGGCAGTT  
 GCGAGGGTCCGCGACCAGAGCCCTGCCCCCTGGCCACCTACAGGGGCTACCGCCAACCGACTCCGAAGT  
 GCAGCCGAGCCTGTGGCTTCCACTCCAGCCTCCCGCATCCAACAACTGGCAATACTTCTCCAGAGCGA  
 TCTCACGGGCCGACCGAGAGAGGAAGGTGAGCATGAGACTCCACAGAGGTGCCCTGCCAATGTCTCCTC  
 CTCAGACCTCACTGGGCGCAAGAGGTCTCCCGGCTTGCAGCCTCACAGACAAGCGTGCCATTTGACCAT  
 CTTGGGAAATGAGGAGAGCGAGCACAGACCAGTGTGCTATGTGCTTCACTGCATTTTCTTAAAAAA  
 AAAAAATTAATACAAATAGAGAAAGGACAGAAAGAAAGAACAGTTCACATGAACAAAAAGAGAAAAA  
 CAAACAAACCACAAAACCCACAACCCAGCACAAAGTCGACAATGGATTTTGTGTTTATTTTGC  
 CAATGGCAAAAAGACAAGACCTCGTTAGCACTGAGGATTCTTGTCCCTTGCCTTGCTCCACTGCCGA  
 CCTGAAGGCTGCCAACACTCCTCTAAGGATACTGGGTACATGCCAGCCACCTGTTTTCCGCCACCGCCA  
 CCACGTGCCGGGCCGCCATCGGAGGTGCCTGAAGAGCTTGTGTCAGGGAGCGGTTTGGCCAGTCAGAGAC  
 AAGTCCCAAGAGATTTTCATGGAGCCTTGGATGACACACACGCCATCAGCCCTTGGGTGATGACAGTGACC  
 AGTGTGTATGGGGCTTCCAGAATCCCCTTCCCTGAGCATCCTGGTCTCCCCACACACACCTGTCAC  
 CTCTCTACAGAGACCCTGAGGGTGGGTGAGATGGAGGCCATGATGCCTTGTGTGACTGTGAGTGTGTGT  
 GTGTATGCATGACTGAGAGAGAGAGAGA  
 GACTGAGAGACTGACTGAGAGACTGCTGACTTGTATTTTTAGAGCTGCAGGTGGCTGCCACTCCTGCC  
 TGGCCAAGTTTCTGTTCCCTCCTCTAAAGTCAAGGTGGGTGGACAATGACTTCCACATCCCTCAGGG  
 CATAGAGTCTTCCACCACCTGTCCCCAGATGCCAGTGTGTGGCACCCCTCCCCCCCCAACTTCCATTC  
 CTGATCTTAGGCAAGTCTTGGAGTCTGCTCCCAGATGGCATCGGCTCTGAGATACCGGTTGCTTCCCTG  
 GTCCTGAGAGTACCTGTGGTCAACCCCTTCCAGGCCCTGACTTCTGAGTAGGACCCTGGGTGAGGGCT  
 AAGTGTGAATTTACCCTTCTGGTAAACACCTGTTTTGTTGGTTTTTTTATTATTATTATTATTTTTT  
 TGTGTTTTTCTCAGTGTGTGATTTTCTAATTTATTTACCTTTTTTTTCCCCTTTCTTTCTTTTTTTT  
 TAATTAAGAGCAAACTTTTTATTACTTTGTAATTTAAAAAACTGAAAAAAAAAATTAAGAACTTT  
 GGGGGAAATTTGACTTTTTTCTGTGTAATATTGGACTTTTTTGGAGCTTTATTGTGGTTGTTAATTT  
 GAAGTAATAAAGTAGAAAAGGACAAAGTGATATAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_013767  
**Insert Size:** 1251 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC026127</a></u> , <u><a href="#">AAH26127</a></u>
<b>RefSeq Size:</b>	2708 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	27373
<b>UniProt ID:</b>	<u><a href="#">Q9JMK2</a></u>
<b>Cytogenetics:</b>	15 E1
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a serine/threonine protein kinase and a member of the casein kinase I protein family, whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded protein is found in the cytoplasm as a monomer and can phosphorylate a variety of proteins, including itself. This protein has been shown to phosphorylate period, a circadian rhythm protein. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a). Variants 1, 2, 4 and 5 encode the same isoform (a). 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.</p>