

## Product datasheet for RN213024

### Csnk1a1 (NM\_053615) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Csnk1a1 (NM\_053615) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Csnk1a1  
**Synonyms:** MGC156603  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN213024 representing NM\_053615  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGAGCAGCAGCGGCTCCAAGGCCAATTTATCGTCGGTGGGAAATACAACTGGTGCGAAGATCG  
GATCTGGTTCCTTCGGGGACATTTATCTAGCGATCAACATACCAATGGCGAGGAAGTGGCAGTAACT  
AGAATCCCAGAAGGCCAGGCATCCCAGTTGCTGTACGAGAGCAAAGTATAAGATTCTCAAGGTGGG  
GTTGGCATCCCTCACATACGGTGGTATGGGCAAGGAAAAGACTATAATGTGCTAGTCATGGATCTTCTGG  
GACCCAGCCTCGAAGACCTCTTCAATTTCTGTTCAAGAAGGTTCACTATGAAGACTGTACTTATGTTAGC  
TGACCAGATGATCAGTAGAATTGAATATGTGCATACAAAGAATTTATACACAGAGACATTAACCAGAT  
AACTTCCTAATGGGTATTGGGCGTCACTGTAATAAGTTATTCCTTATTGATTTTGGTTTGGCCAAAAAGT  
ACAGAGACAACAGGACAAGGCAACACATACCATACAGGGAAGATAAAACCTCACTGGCACTGCCCGGTA  
TGCCAGCATCAATGCACATCTTGGCATTGAGCAGAGTCGCCGAGATGACATGGAATCTTTAGGATATGTT  
TTGATGTATTTAATAGAACCAGTCTGCCATGGCAAGGGCTAAAGGCTGCAACAAAGAAACAAAAATATG  
AAAAGATTAGTAAAAGAAGATGTCCACTCCTGTTGAAGTTTGTGTAAGGGGTTTCTCAGAAATTTGC  
CATGTACTTAAATTAAGTGTGCGTGGGCTGCGCTTTGAGGAAGCTCCGATTACATGTATCTGAGGCAGCTG  
TTCCGCATCCTCTCAGGACCTGAACCACAGTATGACTACACGTTTATTGGACGATGTTAAAGCAGA  
AAGCAGCCAGCAGGCAGCCTCTCCAGTGGCGAGGTCAGCAGGCCAAACCCACAGGTTTCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_053615  
**Insert Size:** 978 bp



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<b>OTI Disclaimer:</b>	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>	<a href="#">NM_053615.1</a> , <a href="#">NP_446067.1</a>
<b>RefSeq Size:</b>	978 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	113927
<b>UniProt ID:</b>	<a href="#">P97633</a>
<b>Cytogenetics:</b>	18q12.1
<b>Gene Summary:</b>	splice variant isoforms CKI alpha and CKI alpha L both have casein kinase I activity but display differences in substrate kinetics [RGD, Feb 2006]