

## Product datasheet for **RR200303**

### Csnk1g2 (NM\_001033870) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1g2 (NM_001033870) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csnk1g2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200303 representing NM_001033870 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATTTTGACAAGAAAGGAGGGAAGGGGGAGTTGGAGGAGGGCAGGAGAATGTCCAAAACCGGCACGA  
ATCGGAGCAACCACGGCGTCCGCAATTCGGGGACCAGCTCAGGGGTCCTGATGGTGGGCCCCAACTTCCG  
AGTCGGCAAGAAGATAGGCTGTGGGAATTCGGGGAGCTTCGCCTAGGAAAGAACCTGTATACAAATGAG  
TACGTGGCTATCAAAGTGGAGCCATCAAGTCCCGGGCCCGCAGCTGCATCTGGAGTACCGCTTCTACA  
AGCAGCTCAGCACACAGAAGGTGTCCCTCAGGTCTACTACTTCGGCCCTTTCGGGAAGTACAACGCCAT  
GGTGTGGAGCTGCTGGGCCCCAGCCTGGAGGACCTGTTGACCTGTGCGACCGCACCTTACGCTAAAG  
ACGGTGTGATGATCGCCATCCAGCTGATCACGCGCATGGAGTATGTGCATACCAAGAGCCTCATCTACC  
GCGACGTGAAGCCTGAGAACTTCTGGTTGGGCGGCCGGCAGCAAGCGGCAGCACTCCATCCACATCAT  
CGACTTTGGCCTGGCCAAGGAGTACATCGACCCTGAGACCAAGAAGCACATCCCGTACCGCGAGCACAAG  
AGCCTGACGGGCACGGCGCTACATGAGCATCAACACGCACCTGGCAAGGAGCAGAGCCGCCGGGACG  
ACCTGGAAGCGCTAGGGCACATGTTTATGTACTTCTACGCGGCAGTCTGCCCTGGCAGGGGCTCAAGGC  
GGACACGCTGAAGGAACGCTACCAGAAGATTGGTGATACCAAGCGTGCCACGCCAATCGAGGTGCTGTGT  
GAGAGCTTCCCGGAGGAGATGGCCACCTACTTGCCTATGTGCGCGCCTAGACTTCTTTGAGAAGCCAG  
ACTACGACTACCTGAGGAAGCTCTTACCGACCTCTTCGACCGCAGCGGCTACGTGTTTACTACGAGTA  
TGACTGGGCGGCAAGCCCTGCCGACACCTATCGGCACCGTCCATCCTGATGTGCCCTCCAGCCGCCA  
CATCGTGACAAAGCTCAGCTCCACCAAGAACCAGGCGCTGAATCCACCAATGGAGAGCTGAACACAG  
ACGACCCACCGGGGCCACTCCAACGCCCCATCGCGGCCCTGCAGAAGTAGAGGTGGCGGATGAAAC  
CAAGTGTCTGCTTCTCAAGAGGAGGAAGAGAAAATCGCTGCAGCGACATAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200303 representing NM\_001033870  
 Red=Cloning site Green=Tags(s)

MDFDKKGGKGELEEGRMSKTGTNRSNHGVRNSGTSSGVLVGPVFRVGGKIGCGNFGELRLGKNLYTNE  
 YVAIKLEPIKSRAPQLHLEYRFYKQLSTTEGVPQVYFPGCGKYNAMVLELLGPSLEDLFDLCDRTFTLK  
 TVLMIAIQLITRMEYVHTKSLIYRDVKPENFLVGRPGSKRQHSIHIIDFLAKEYIDPETKKHIPYREHK  
 SLTGTARYMSINTHLGKEQSRDDLEALGHMFMFLRGSLPWQGLKADTLKERYQKIGDTRATPIEVL  
 ESFPEEMATYLRVRRDLDFEKPDPDYLRKLFDTLDFDRSGYVFDYEYDWAGKPLPTPIGTVHPDVPSP  
 HRDKAQLHTKNQALNSTNGELNTDDPTAGHSNAPIAAPAEVEVADETKCCCFKRRKRKSLQRHK

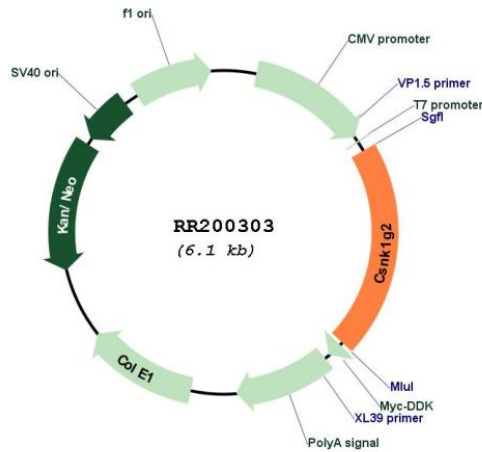
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001033870

<b>ORF Size:</b>	1245 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001033870.1</a> , <a href="#">NP_001029042.1</a>
<b>RefSeq Size:</b>	2405 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	65278
<b>UniProt ID:</b>	<a href="#">Q62762</a>
<b>Cytogenetics:</b>	7q11
<b>MW:</b>	47.6 kDa
<b>Gene Summary:</b>	monomeric protein kinase; expressed only in testis [RGD, Feb 2006]