

Product datasheet for **RR200302**

Csnk1g2 (NM_023102) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1g2 (NM_023102) 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:	>RR200302 representing NM_023102 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTTTGACAAGAAAGGAGGGAAGGGGGAGTTGGAGGAGGGCAGGAGAATGTCCAAAACCGGCACGA
ATCGGAGCAACCACGGCGTCCGCAATTCGGGGACCAGCTCAGGGGTCCTGATGGTGGGCCCAACTCCG
AGTCGGCAAGAAGATAGGCTGTGGGAATTCGGGGAGCTTCGCCCTAGGAAAGAACCTGTATACAAATGAG
TACGTGGCTATCAAAGTGGAGCCATCAAGTCCCGGGCCCGCAGCTGCATCTGGAGTACCGCTTCTACA
AGCAGCTCAGCACACAGGTGTCCCTCAGGTCTACTACTTCGGCCCTTGCGGGAAGTACAACGCCATGGT
GCTGGAGCTGCTGGGGCCAGCCTGGAGGACCTGTTTCGACCTGTGCGACCGCACCTTACGCTAAAGACG
GTGCTGATGATCGCCATCCAGCTGATCACGCGCATGGAGTATGTGCATACCAAGAGCCTCATCTACCGCG
ACGTGAAGCCTGAGAACTTCTGGTTGGGCGGCCGGCAGCAAGCGGCAGCACTCCATCCACATCATCGA
CTTTGGCCTGGCCAAGGAGTACATCGACCCTGAGACCAAGAAGCACATCCCGTACCGCGAGCACAAGAGC
CTGACGGGCACGGCGCTACATGAGCATCAACACGCACCTGGGCAAGGAGCAGAGCCGCCGGGACGACC
TGAAGCGCTAGGGCACATGTTTCACTTCTACGCGCAGTCTGCCCTGGCAGGGGCTCAAGGCGGA
CACGCTGAAGGAACGCTACCAGAAGATTGGTGATACCAAGCGTGCCACGCAATCGAGGTGCTGTGTGAG
AGCTTCCCGGAGGAGATGGCCACCTACTTGCCTATGTGCGGCGCCTAGACTTCTTTGAGAGCCAGACT
ACGACTACCTGAGGAAGCTCTTACCGACCTCTTCGACCGCAGCGGCTACGTGTTTGACTACGAGTATGA
CTGGGCGCGCAAGCCCTGCCGACCTATCGGCACCGTCCATCTGATGTGCCCTCCGACCGCCACAT
CGTGACAAAGCTCAGCTCCACACCAAGAACCAGGCGCTGAACTCCACCAATGGAGAGCTGAACACAGACG
ACCCACCGCGGGCCACTCCAACGCCCCATCGCGGCCCTGCAGAAGTAGAGGTGGCGGATGAAACCAA
GTGCTGCTGCTTCTTCAAGAGGAGGAAGAGAAAATCGTGCAGCGACATAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200302 representing NM_023102
 Red=Cloning site Green=Tags(s)

MDFDKKGGKGELEEGRMSKTGTNRSNHGVRNSGTSSGVLVMPNFRVGGKIGCGNFGELRLGKNLYTNE
 YVAIKLEPIKSRAPQLHLEYRFYKQLSTTGVPQVYVYFGPCGKYNAMVLELLGPSLEDLFDLCDRTFTLKT
 VLMIAIQLITRMEYVHTKSLIYRDVKPENFLVGRPGSKRQHSIHIIDFGLAKEYIDPETKKHIPYREHKS
 LTGTARYMSINTHLGKEQSRDDLEALGHMFMFLRGLSPWQGLKADTLKERYQKIGDTRATPIEVLCE
 SFPEEMATYLRVRRDLDFEKPDPDYLRKLFDTLFDPSGVYFDYEDWAGKPLPTPIGTVHPDVPSQPPH
 RDKAQLHTKNQALNSTNGELNTDDPTAGHSNAPIAAPAEVEVADETKCCCFKRRKRKSLQRHK

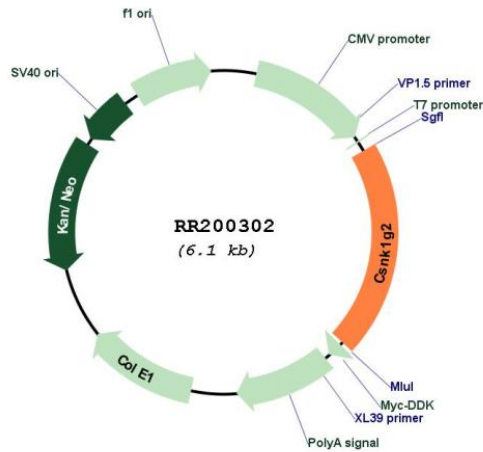
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_023102

ORF Size:	1242 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_023102.2 , NP_075590.2
RefSeq Size:	2271 bp
RefSeq ORF:	1245 bp
Locus ID:	65278
UniProt ID:	Q62762
Cytogenetics:	7q11
MW:	47.5 kDa
Gene Summary:	monomeric protein kinase; expressed only in testis [RGD, Feb 2006]