

Product datasheet for RR214372

Csnk1g3 (NM_022855) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1g3 (NM_022855) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csnk1g3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214372 representing NM_022855 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAATAAAAAGAAAGACAAGGACAAATCAGATGACAGAATGGCACGGCCAGTGGTCGGTCAGGGC
ACAGACTCGAGGAAGTGGTCTTCTTCATCTGGAGTTTTAATGGTTGGACCTAACTTTAGAGTTGGGAA
AAAAATTGGATGTGGCAATTTGGAGAATTACGATTAGGGAAAAATTTATACAATGAATATGTGGCG
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GATCTGGAGATGGTATACTCAAGTTTACTATTTGGCCCTGTGGTAAATACAACGCTATGGTGTGGA
ACTGCTGGGACCTAGTTTGAAGATTTGTTGACCTCTGTGATAGAACATTTCTCTTAAACCGTTCTC
ATGATAGCTATACAGCTGATTTCTCGCATGGAGTATGTCCACTCAAAGAAGTATACAGAGATGTGA
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CTTTAGGACATATGTTTCATGATTTCTGAGAGGCAGTCTTCTTGGCAAGGCCTAAAGGCAGATACATT
AAAAGAGAGATATCAGAAAATTGGAGACACAAAACGAGCCACACCGATAGAAGTGTGTGAAAATTC
CCAGAAGAAATGGCAACATATCTTCGTTACGTACGAAGGCTAGATTTTTTTGAAAAGCCAGACTATGATT
ACTTAAGAAAGCTTTTTACTGACTTGTTTGATCGCAAAGGGTATATGTTTGATTATGAATATGACTGGAT
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CACCAACACAGAGACAAGATACAGCAGTCTAAAAACAGTCGGCAGACCACAGGGCAGCTTGGGACTCCC
AGCAGGCAAAATCCCACCATTTGAGAGCTCACCTTGCAGCAGACAGACATGGTGGCTCGGTACAGGTTGT
AAGTTCTACAAATGGAGAGCTAAACACGGATGACCCACGGCGGGACGGTCAAATGCACCCATTACAGCC
CCTACGGAAGTAGAAGTATGGATGAAACCAAGTGTCTGCTTTTTCAAACGAAGGAAAAGGAAAACCA
TACAACGTCACAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214372 representing NM_022855
 Red=Cloning site Green=Tags(s)

MDNKKKDKDKSDDRMARPSGRSGHSTRGTGSSSSGVLVGPVFRVGGKIGCGNFGELRLGKNLYTNEYVA
 IKLEPMKSRAPQLHLEYRFYKQLGSGDGIPOVYFPGCGKYNAMVLELLGPSLEDLFDLCDRTFSLKTVL
 MIAIQLISRMEYVHSKNLIYRDVKPENFLIGRPGNKAQQVIHIIDFGLAKEYIDPETKKHPIPYREHKS
 LTGTARYMSINTHLGKEQSRDDLEALGHMFMYFLRGLPWQGLKADTLKERYQKIGDTRATPIEVLCE
 NFPPEEMATYLRVRRLLDFEKPDIYDLRKLFTDLFDRKGYMFDYEYDWIGQLPTPVGAVQQDPALSS
 NREAHQHRDKIQSKNQSAHRAAWDSQQANPHHLRAHLAADRHGGSVQVVSSTNGELNTDDPTAGRS
 NAPITA PTEVEVMDETKCCCFKRRKRKTIQRHK

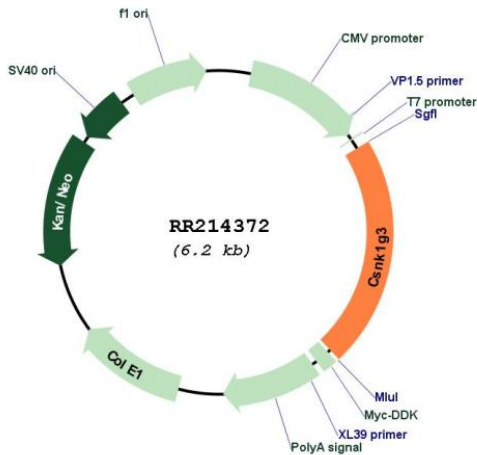
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_022855
ORF Size:	1344 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_022855.2 , NP_074046.1
RefSeq Size:	4344 bp
RefSeq ORF:	1347 bp
Locus ID:	64823
UniProt ID:	Q62763
Cytogenetics:	18q11
MW:	51.4 kDa
Gene Summary:	monomeric protein kinase; present in brain, heart, kidney, lung, liver, and muscle [RGD, Feb 2006]