

Product datasheet for **MR204410**

Csnk1g3 (BC033601) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Csnk1g3 (BC033601) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Csnk1g3
Synonyms: 3300002K07Rik; C330049O21Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR204410 representing BC033601
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGCTGGAAGTCTGGGACCGAGTTGGAGGATTTGTTTGACCTCTGTGATAGAACATTTTCTCTTA
 AAACAGTTCTCATGATAGCTATACAGCTGATTTCTCGTATGGAGTATGTCCACTCAAAGAACTTGATATA
 CAGAGATGTGAAGCCTGAGAAGTTCTTAATAGGACGGCCAGGAAACAAAGCCAGCAAGTCATTCATATC
 ATAGATTTTGGTTTGGCAAAGGAATATATTGATCCAGAGACAAAGAAACATATACCATACAGAGAACACA
 AAAGCCTTACCGAACCAGATACATGAGCATAAACACACATCTAGGAAAAGAGCAGAGTAGAAGAGA
 TGATTTAGAAGCCTTAGGCCACATGTTTCACTTCTGAGAGGCGAGTCTTCTTGGAAGGCTTAAAG
 GCTGACACATTAAGAGAGGATATCAGAAAATTGGAGACACAAAACGAGCCACACCAATAGAAGTGTGT
 GTGAGAAGTCCAGAAAGAAATGGCAACGTATCTCCGTTACGTACGAAGGCTGGATTTTTTTGAAAAGCC
 AGACTATGATTACCTAAGAAAGCTTTTACTGACTTGTGATCGAAAAGGATATGTTTGATTATGAA
 TATGACTGGATTGGTAAACAGTTGCCTACTCCAGTAGGTGCAGTTCAGCAAGACCCTGCTGTGCATCAA
 ACAGAGAAGCACCAACACAGAGATAAGATACAGCAGTCTAAAACAGGTTGTAAGTTCTACAAATGG
 AGAGCTGAACACGGATGACCCACGGCAGGACGGTCGAATGCACCCATTACAGCTCTACAGAAAGTGAA
 GTGATGGACGAGACAACTGCCAGAAAGTATTGAATATGTGGTGTGCTGTTTTTTCAAACGAAGGAAAA
 GGAAAACCATACAACGTACAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204410 representing BC033601
 Red=Cloning site Green=Tags(s)

MVLELLGPSLEDLFDLCDRTFSLKTVLMIAIQLISRMEYVHSKNLIYRDVKPENFLIGRPGNKAQQVIHI
 IDFGLAKEYIDPETKKHIPYREHKSLTGTARYMSINTHLGKEQSRDDLEALGHMFMFYFLRGLSPWQGLK
 ADTLKERYQKIGDTRATPIEVLNCFPEEMATYLRVRRLLDFEKPDPDYLRKLFIDLFDKRGYMFDE
 YDWIGKQLPTVPGAVQQDPALSSNREAHQHRDKIQQSKNQVVSSTNGELNTDDPTAGRSNAPITAPTEVE
 VMDETNCQKVLNMWCCCFKRRKRKTIQRHK

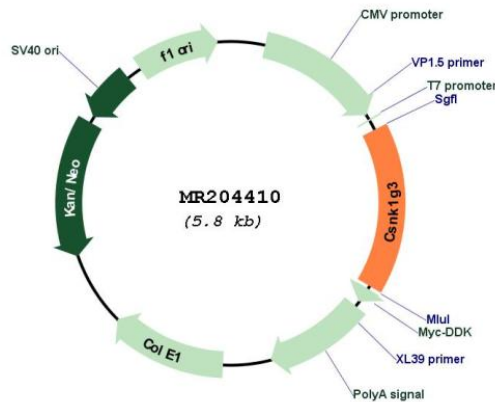
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC033601

ORF Size: 933 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:	BC033601 , AAH33601
RefSeq Size:	3273 bp
RefSeq ORF:	935 bp
Locus ID:	70425
Cytogenetics:	18 D1
MW:	120 kDa
Gene Summary:	Serine/threonine-protein kinase. Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling (By similarity). Regulates fast synaptic transmission mediated by glutamate.[UniProtKB/Swiss-Prot Function]