

## Product datasheet for **MR217544**

### **Csnk1g3 (NM\_152809) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Csnk1g3 (NM_152809) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csnk1g3
Synonyms:	3300002K07Rik; C330049O21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR217544 representing NM\_152809  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATAATAAAAAGAAAGACAAGGACAAATCAGATGATAGAATGGCACGGCCAGTGGTCGGTCAGGGC  
 ACAGACTCGAGGAAGTGGTCTTCTTCATCTGGAGTTTTAATGGTTGGACCTAACTTTAGAGTTGGGAA  
 AAAAATCGGATGTGGCAATTTGGAGAATTACGATTAGGGAAAAATTTATACACAATGAATATGTGGCG  
 ATTAAACTGGAGCCCATGAAATCCAGAGCACCACAGCTGCATTTGGAATACAGATTCTATAAGCAGTTAG  
 GATCTGGAGATGGTATACCTCAAGTTTACTATTTTGGCCCTTGTGGTAAATACAACGCGATGGTCTGGA  
 ACTGCTGGGACCGAGTTTGGAGATTGTTTGGACCTCTGTGATAGAACATTTTCTCTTAAAAACAGTTCTC  
 ATGATAGCTATACAGCTGATTTCTCGTATGGAGTATGTCCACTCAAAGAAGTTGATATACAGAGATGTGA  
 AGCCTGAGAACTCTTAATAGGACGGCCAGGAAACAAAGCCAGCAAGTCATTTCATATCATAGATTTTGG  
 TTTGGCAAAGGAATATATTGATCCAGAGACAAAGAAACATATACCATACAGAGAACACAAAAGCCTTACC  
 GGAACCGCCAGATACATGAGCATAAACACACATCTAGGAAAAGAGCAGAGTAGAAGAGATGATTTAGAAG  
 CCTTAGGCCACATGTTTCATGTACTTCTGAGAGGCAGTCTTCTTGGCAAGGCTTAAAGGCTGACACATT  
 AAAAGAGAGGTATCAGAAAATTGGAGACACAAAACGAGCCACACCAATAGAAGTGTGTGTGAGAACTTC  
 CCAGAAGAAATGGCAACGTATCTCCGTTACGTACGAAGGCTGGATTTTTTTGAAAAGCCAGACTATGATT  
 ACCTAAGAAAGCTTTTTACTGACTTGTGATCGAAAAGGGTATATGTTTGATTATGAATATGACTGGAT  
 TGGTAAACAGTTGGCTACTCCAGTAGGTGCAGTTCAGCAAGACCCCTGCTCTGTCAAAACAGAGAAGCA  
 CACCAACACAGAGATAAGATACAGCAGTCTAAAAACCAGTTGTAAGTTCTACAAATGGAGAGCTGAACA  
 CGGATGACCCACGGCAGGACGGTCGAATGCACCCATTACAGCTCCTACAGAAGTGAAGTATGATGGACGA  
 GACAAACTGCCAGAAAGTATTGAATATGTGGTCTGCTGTTTTTCAAACGAAGGAAAAGGAAAACCAT  
 CAACGTCACAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217544 representing NM\_152809  
 Red=Cloning site Green=Tags(s)

MDNKKKDKDKSDDRMARPSGRSGHSTRGTGSSSSGVLVMPNFRVGGKIGCGNFGELELRGKPLYTNEYVA  
 IKLEPMKSRAPQLHLEYRFYKQLGSGDGIPQVYFPGCGKYNAMVLELLGPSLEDLFDLCDRTFSLKTVL  
 MIAIQLISRMEYVHSKNLIYRDVKPENFLIGRPGNKAQQVIHIDFGLAKEYIDPETKKHIPPYREHSLT  
 GTARYMSINTHLGKEQSRDDLEALGHMFMYFLRGLPWQGLKADTLKERYQKIGDTKRATPIEVLNENF  
 PEEMATYLRVRRLLDFEKPDDYLRKLFIDLDRKGYMFDYEDWIGQLPTPVGAVQQDPALSSNREA  
 HQHRDKIQSKNQVSSSTNGELNTDPTAGRSNAPITAPTEVEVMDETNCQKVLNMWCCCFKRRKRKTI  
 QRHK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9060\\_f03.zip](https://cdn.origene.com/chromatograms/mm9060_f03.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_152809

**ORF Size:** 1272 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:**

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\\_152809.2](#), [NP\\_690022.2](#)

**RefSeq Size:** 4394 bp

**RefSeq ORF:** 1275 bp

**Locus ID:** 70425

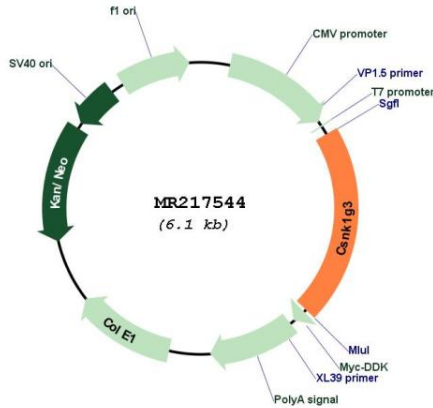
**UniProt ID:** [Q8C4X2](#)

**Cytogenetics:** 18 D1

**MW:** 48.9 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]

**Product images:**



Circular map for MR217544