

## Product datasheet for **MG204410**

### Csnk1g3 (BC033601) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk1g3 (BC033601) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csnk1g3
Synonyms:	3300002K07Rik; C330049O21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204410 representing BC033601 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGTGGAAGTCTGGGACCGAGTTTGGAGGATTTGTTTGACCTCTGTGATAGAACATTTTCTCTTA  
AAACAGTTCTCATGATAGCTATACAGCTGATTTCTCGTATGGAGTATGTCCACTCAAAGAACTTGATATA  
CAGAGATGTGAAGCCTGAGAAGTCTTAATAGGACGGCCAGGAAACAAAGCCAGCAAGTCATTCATATC  
ATAGATTTTGGTTTGGCAAAGGAATATATTGATCCAGAGACAAAGAAACATATACCATACAGAGAACACA  
AAAGCCTTACCGAACCAGATACATGAGCATAAACACACATCTAGGAAAAGAGCAGAGTAGAAGAGA  
TGATTTAGAAGCCTTAGGCCACATGTTTACTTCTGAGAGGAGTCTTCTTGGCAAGGCTTAAAG  
GCTGACACATTAAGAGAGGTATCAGAAAATTGGAGACACAAAACGAGCCACACCAATAGAAGTGTGT  
GTGAGAAGTCCAGAAAGAAATGGCAACGTATCTCCGTTACGTACGAAGGCTGGATTTTTTTGAAAAGCC  
AGACTATGATTACCTAAGAAAGCTTTTTACTGACTTGTGTTGATCGAAAAGGGTATATGTTTGATTATGAA  
TATGACTGGATTGGTAAACAGTTGCCTACTCCAGTAGGTGCGATTGAGCAAGACCCTGCTCTGTCATCAA  
ACAGAGAAGCACACCAACACAGAGATAAGATACAGCAGTCTAAAAACCAGTTGTAAGTTCTACAAATGG  
AGAGCTGAACACGGATGACCCACGGCAGGACGGTCAATGCACCCATTACAGCTCTACAGAAGTGAA  
GTGATGGACGAGACAACTGCCAGAAAGTATTGAATATGTGGTGTCTGTTTTTTCAAACGAAGGAAAA  
GGAAAACCATACAACGTCACAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG204410 representing BC033601  
 Red=Cloning site Green=Tags(s)

MVLELLGPSLEDLFDLDCDRTFSLKTVLMIAIQLISRMEYVHSKNLIYRDVKPENFLIGRPGNKAQQVIHI  
 IDFGLAKEYIDPETKKHIPPYREHKSLTGTARYMSINTHLGKEQSRDDLEALGHMFMYYFLRGLPWQGLK  
 ADTLKERYQKIGDTRATPIEVLNCFPEEMATYLRVRRLLDFEKPDPDYLRKLFDLFDRKGYMFDYE  
 YDWIGKQLPTPGAVQQDPALSSNREAHQHRDKIQQSKNQVVSSTNGELNTDDPTAGRSNAPITAPTEVE  
 VMDETNCQKVLNMWCCCCFKRRRKRKTIQRHK

TRTRPLE - GFP Tag - V

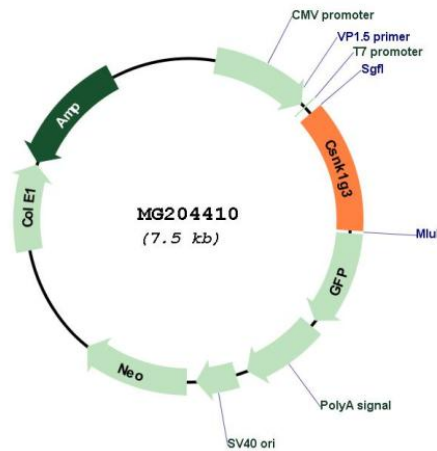
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** BC033601

**ORF Size:** 935 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="#">BC033601</a> , <a href="#">AAH33601</a>
<b>RefSeq Size:</b>	3273 bp
<b>RefSeq ORF:</b>	935 bp
<b>Locus ID:</b>	70425
<b>Cytogenetics:</b>	18 D1
<b>Gene Summary:</b>	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]