

## Product datasheet for **MG206103**

### **Csnk2a1 (BC060742) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Csnk2a1 (BC060742) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Csnk2a1
Synonyms:	Csnk2a1-rs4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206103 representing BC060742 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGGACCCGTGCCAAGCAGGGCCAGAGTTTACACAGATGTTAACACACACAGACCCCGAGAGTACT  
GGGATTATGAATCACATGTGGTGAATGGGGAATCAAGATGACTATCAGCTTGTTCGAAAATTAGGTAG  
GGGCAATACAGTGAAGTGTGAAAGCCATCAACATCACAAATAATGAAAAAGTTGTTGTTAAAATTCTC  
AAGCCAGTAAAAAGAAGAAAATAAGCGTGAAATAAAGATTTTGGAGAATTTGAGAGGTGGCCCAACA  
TCATCACACTTGCAGACATTGTAAGACCCCTGTGTACGAACCCCTGCCTTGGTTTTTGAACATGTAAA  
CAACACAGACTTCAAGCAATTGTACCAGACGTTAACAGACTATGACATTCGATTTTACATGTATGAAAT  
CTGAAAGCCCTGGATTATTGTCACAGCATGGGGATTATGCACAGAGATGTGAAACCCCATATGTATGA  
TTGATCATGAGCAGAAAGCTTCGGCTAATAGACTGGGGTTTAGCTGAGTTTTACCATCCAGGCCAAGA  
GTATAATGTCCGAGTTGCTTCTCGATATTTCAAAGGTCCAGAGCTACTTGTAGATTATCAGATGTACGAT  
TATAGTTTGGATATGTGGAGCTTGGTTGTATGCTGGCCAGTATGATCTTCCGGAAGGAGCCATTTTCC  
ATGGACATGACAATTATGATCAGTTGGTGGAGTAGCCAAGTTCTGGGAACAGAAGATTATATGACTA  
TATTGACAAGTACAACATTGAATTAGATCCACGTTTCAACGATATCTTGGCAGACACTCCCGTAAGCGA  
TGGGAACGCTTTGTCCACAGTAAAACCCAGCATTTGTACGCCCTGAGGCCTTGGATTTTCTGGACAAGC  
TGCTTCGATATGACCACAGTCACGGCTCACTGCAAGAGAGGCCATGGAGCACCCCTACTTCTACACTGT  
TGTGAAGGACCAGGCTCGAATGAGTTCCACTAGCATGGCAGGGGGCAGCACCTGTCAGCAGCGCCAAT  
ATGATGTCAGGGATTTCTTCAGTGCCAACCTCCTTCAACCCCTTGGACCTCTGGCAGGCTCACCAGTGATTG  
CCGCTGCCAACTCACTTGGGATACCTGTTCCAGCTGCTGCTGGCGCTCAGCAG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206103 representing BC060742  
 Red=Cloning site Green=Tags(s)

MSGPVPSRARVYTDVNTHRPREYWDYESHVVEWGNQDDYQLVRKLGKGYSEVFEAINITNNEKVVVKIL  
 KPVKKKKIKREIKILENLRGGPNIITLADIVKDPVSRTPALVFEHVNNTDFKQLYQTLTDYDIRFYMYEI  
 LKALDYCHSMGIMHRDVKPHNVIMIDHEHRKRLRIDWGLAEFYHPGQEYNVRVASRYFKGPELLVDYQMYD  
 YSLDMWSLGCMLASMIFRKEPFFHGHNDYDQLVRIAKVLGTEDLYDYIDKYNIELDPRFNDILGRHSRKR  
 WERFVHSENQHLVSPALDFLDKLLRYDQSRLLTAREAMEHPYFTVVKDQARMSSTSMAGGSTPVSSAN  
 MMSGISSVPTPSPLGPLAGSPVIAAANSLGIPVPAAGAQQ

TRTRPLE - GFP Tag - V

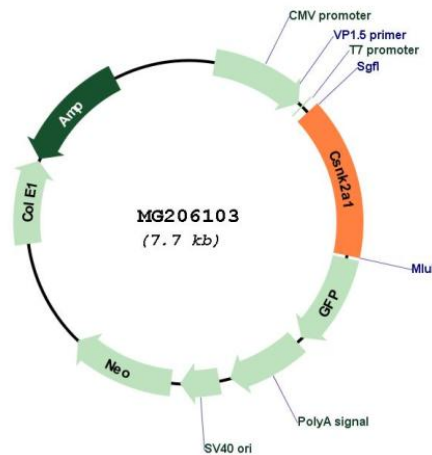
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC060742

<b>ORF Size:</b>	1175 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="#">BC060742</a> , <a href="#">AAH60742</a>
<b>RefSeq Size:</b>	4213 bp
<b>RefSeq ORF:</b>	1175 bp
<b>Locus ID:</b>	12995
<b>Cytogenetics:</b>	2 G3
<b>Gene Summary:</b>	Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. It is involved in various cellular processes, including cell cycle control, apoptosis, and circadian rhythms. The kinase exists as a tetramer and is composed of an alpha, an alpha-prime, and two beta subunits. The alpha subunits contain the catalytic activity while the beta subunits undergo autophosphorylation. The protein encoded by this gene represents the alpha subunit. [provided by RefSeq, Feb 2014]