

Product datasheet for **RC234059**

CSNK1G3 (NM_001270572) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSNK1G3 (NM_001270572) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CSNK1G3
Synonyms:	CKI-gamma 3; CSNK1G3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC234059 representing NM_001270572
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAAATAAAAAGAAAGACAAGGACAAATCAGATGATAGAATGGCAGCAGCTAGTGGTCGATCGGGAC
 ACAACACTCGAGGAAGTGGGCTTCATCGTCTGGAGTTTTAATGGTTGGACCTAACTTTAGAGTTGGAAA
 AAAAAATTGGATGTGGCAATTTTGGAGAATTACGATTAGGGAAAAATTTATACACAATGAATATGTGGCA
 ATTAAGTTGGAGCCCATGAAATCAAGAGCACCACAGCTACATTTGGAATACAGATTCTATAAGCAGTTAG
 GATCTGGAGATGGTATACCTCAAGTTTACTATTTTCGGCCCTTGTGGTAAATACAATGCTATGGTCTGGA
 ACTGCTGGGACCTAGTTTGAAGACTTGTGGACTTGTGTGACAGAACATTTTCTCTAAAAACAGTTCTC
 ATGATAGCTATACAACTGATTTCTCGCATGGAATATGTCCATTCAAAGAAGTTGATACAGAGATGTAA
 AACCTGAGAACTCTTAATAGGACGACCAGGAAACAAAACCCAGCAAGTTATTCACATTATAGATTTTGG
 TTTGGCAAAGGAATATATTGATCCGGAGACAAAGAAACACATACCATACAGAGAACAAGAGCCTTACA
 GGAACAGCTAGATATATGAGCATAAACACACATTTAGGAAAAGAACAAGTAGAAGAGACGATTTAGAAG
 CTTTAGGTCATATGTTTATGATTTTCTGAGAGGCAGTCTTCTTGGCAAGGCTTAAAGGCTGACACATT
 AAAGGAGAGGTATCAGAAAATTGGAGATACAAAACGGGCTACACCAATAGAAGTGTATGTGAAAATTTT
 CCAGAAGAAATGGCAACATATCTTCGTTATGTAAGAAGGCTAGATTTTTTTGAAAAACAGACTATGACT
 ACTTAAGAAAGCTTTTTACTGACTTGTGGTATCGAAAAGGATATATGTTTGATTATGAATATGACTGGAT
 TGGTAAACAGTTGCCTACTCCAGTGGGTGCAGTTCAGCAAGATCCTGCTGTGATCAACAGAGAAGCA
 CATCAACACAGAGATAAGATGCAACAATCCAAAAACAGGTTGTAAGTTCTACAAATGGAGAGTTAAACA
 CAGATGACCCACCCGACGAGGACGTTCAAATGCACCCATCACAGCCCTACTGAAGTAGAAGTATGATGATGA
 AACCAACTGCCAGAAAGTGTGAACATGTGGTGTCTGCTGTTTTTCAAACGAAGGAAAAGGAAAACCAT
 CAGCGCCACAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234059 representing NM_001270572
 Red=Cloning site Green=Tags(s)

MENKKKDKDKSDDRMARPSGRSGHNTRGTGSSSSGVLVMPNFRVGGKIGCGNFGELELRGKPLYTNEYVA
 IKLEPMKSRAPQLHLEYRFYKQLGSGDGIPQVYFPGCGKYNAMVLELLGPSLEDLFDLCDRTFSLKTVL
 MIAIQLISRMEYVHKNLIYRDVKPENFLIGRPGNKTTQVIHIIDFGLAKEYIDPETKKHIPPYREHSLT
 GTARYMSINTHLGKEQSRDDLEALGHMFMYFLRGLPWQGLKADTLKERYQKIGDTKRATPIEVLNENF
 PEEMATYLRVRRLLDFEKPDDYLRKLFIDLDRKGYMFDYEDWIGQLPTPVGAVQQDPALSSNREA
 HQHRDKMQQSKNQVSSSTNGELNTDDPTAGRSNAPITAPTEVEVMDETNCQKVLNMWCCCFKRRKRKTI
 QRHK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001270572

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_001270572.1](#), [NP_001257501.1](#)
RefSeq Size: 4182 bp

RefSeq ORF: 1275 bp

Locus ID: 1456

UniProt ID: [Q9Y6M4](#)
Cytogenetics: 5q23.2

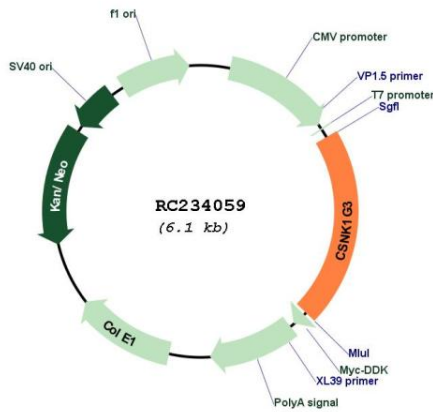
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Hedgehog signaling pathway

MW: 49.5 kDa

Gene Summary: This gene encodes a member of a family of serine/threonine protein kinases that phosphorylate caseins and other acidic proteins. A related protein in the African clawed frog participates in the transmission of Wnt/beta-catenin signaling. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RC234059