

Product datasheet for **RC233719**

CSNK1G3 (NM_001270574) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSNK1G3 (NM_001270574) 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)
ORF Nucleotide Sequence:	>RC233719 representing NM_001270574 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGC**TGGA**ACTGCTGGGAC**TAG**TTT**GGA**AGACTT**GTT**TGACTT**GT**GTGACAGAACATTTTCTCTTA
AAACAGTTCTCATGATAGCTATA**CA**ACTGATTTCTCGCAT**GGA**ATATGTCCATT**CAA**AGAACTTGATATA
CAGAGATG**TAAA**ACCTGAGAACTTCTTAATAGGACGACCAGGAA**CA**AAAACCCAGCAAGTTATTCACATT
ATAGATTTTGGTTTGGCAAAGGAATATATTGATCCGGAGACAAAGAAACACATACCATACAGAGAACACA
AGAGCCTTACAGAACAGCTAGATATATGAGCATAA**AC**ACACATTTAGGAAAAGAA**CAA**AGTAGAAGAGA
CGATTTAGAA**AGCT**TTAGGTCATATGTT**CA**TGTATTTTCTGAGAGG**CA**GTCTTCTTGGAAGGCTTAAAG
GCTGACACATTAAGGAGAGGTATCAGAAAAT**GG**AGATACAAAACGGGCTACACCAATAGAA**GT**TTAT
GTGAAAATTTTCCAGAAGAAATGGCAACATATCTCGTTATGTAAGAAGGCTAGATTTTTT**GAAA**AACC
AGACTATGACTACTTAAGAAAGCTTTTTACTGACTT**GTT**TGATCGAAAAGGATATATGTTTGATTATGAA
TATGACTGGATTGGTAAACAGTTGCCTACTCCAGTGGGTGCAGTTCAGCAAGATCCTGCTGT**CA**TCAA
ACAGAGAAGCACATCAACACAGAGATAAGATGCAACAATCCAAA**AA**CCAGGTTGTAAGTTCTACAAATGG
AGAGTTAAACACAGATGACCC**CA**CCGACAGACGTTCAAATGCACCCATCACAGCC**CT**ACTGAAGTAGAA
GTGATGGATGAA**CC**AACTGCCAGAAAGTGTGAACATGTGGT**GT**CTGCTGTTTTTTCAAACGAAGGAAA
GGAAAACCATACAGCGCCACAAA

ACGCGTACGCGGCCGCTCGAGCAGAA**ACT**CATCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233719 representing NM_001270574
Red=Cloning site Green=Tags(s)

MVLELLGPSLEDLFDLCDRTFSLKTVLMIAIQLISRMEYVHSKNLIYRDVKPENFLIGRPGNKTQQVIHI
 IDFGLAKEYIDPETKKHIPPYREHKSLTGTARYMSINTHLGKEQSRDDLEALGHMFMFYLRGSLPWQGLK
 ADTLKERYQKIGDTRATPIEVLNCFPEEMATYLYRVRRLDFEKPDPDYLRKLFDLFDRKGYMFDYE
 YDWIGKQLPTVGAQQDPALSSNREAHQHRDKMQQSKNQVVSSTNGELNTDDPTAGRSNAPITAPTEVE
 VMDETNCQKVLNMWCCCFKRRKRKTIQRHK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001270574

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:

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_001270574.2](#)

RefSeq Size: 4118 bp

RefSeq ORF: 936 bp

Locus ID: 1456

UniProt ID: [Q9Y6M4](#)

Cytogenetics: 5q23.2

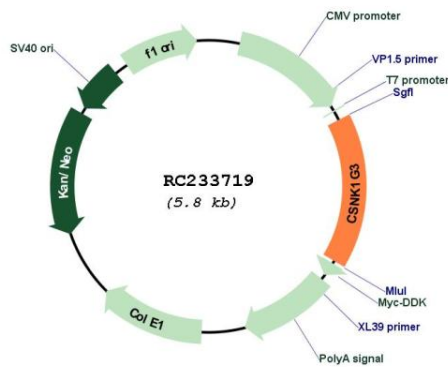
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Hedgehog signaling pathway

MW: 36.9 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 RC233719