

Product datasheet for **RG233838**

CSNK1G3 (NM_001270573) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSNK1G3 (NM_001270573) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CSNK1G3
Synonyms:	CKI-gamma 3; CSNK1G3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233838 representing NM_001270573 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATCAAGAGCACACAGCTACATTTGGAATACAGATTCTATAAGCAGTTAGGATCTGGAGATGGTA
TACCTCAAGTTTACTATTTTCGGCCCTTGTTGTAATAACAATGCTATGGTGCTGGAAGCTGGGACCTAG
TTTGAAGACTTGTGACTTGTGTGACAGAACATTTTCTCTAAAACAGTTCTCATGATAGCTATACAA
CTGATTTCTCGCATGGAATATGCCATTCAAAGAAGTTGATATACAGAGATGAAAACCTGAGAAGTTCT
TAATAGGACGACCAGAAACAAAACCCAGCAAGTTATTCACATTATAGATTTTGGTTTGGCAAAGGAATA
TATTGATCCGGAGACAAAAGAAACACATACCATACAGAGAACAAGAGCCTTACAGGAACAGCTAGATAT
ATGAGCATAAAACACATTTAGGAAAAGAACAAAGTAGAAGAGACGATTTAGAAGCTTTAGGTCATATGT
TCATGTATTTTCTGAGAGGCAGTCTTCTTGGCAAGGCTTAAAGGCTGACACATTAAGGAGAGGTATCA
GAAAATTGGAGATACAAAACGGGCTACACCAATAGAAGTGTTATGTGAAAATTTCCAGAAATGGCAACA
TATCTTCGTTATGTAAGAAGGCTAGATTTTTTGAACCAAGACTATGACTACTTAAGAAAGCTTTTTTA
CTGACTTGTGATCGAAAAGGATATGTTTGATTATGAATATGACTGGATTGGTAAACAGTTGCCTAC
TCCAGTGGGTGCAGTTCAGCAAGATCCTGCTCTGTCATCAAACAGAGAAGCACATCAACACAGAGATAAG
ATGCAACAATCCAAAACAGGTTGTAAGTTCTACAAATGGAGAGTTAAACACAGATGACCCACCGCAG
GACGTTCAAATGCACCCATCACAGCCCCTACTGAAGTAGAAGTGATGGATGAAACCAACTGCCAGAAAGT
GTTGAACATGTGGTGCTGCTGTTTTTTCAAACGAAGGAAAAGGAAAACCATACAGCGCCACAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233838 representing NM_001270573
 Red=Cloning site Green=Tags(s)

MKSRAPQLHLEYRFYKQLGSGDGIPQVYFGPCGKYNAMVLELLGPSLEDLFDLCDRTFSLKTVLMIAIQ
 LISRM EYVH SKNLIYRDVKPENFLIGRPGNKTQQVIHIIDFGLAKEYIDPETKKHIPPYREHKSLTGTARY
 MSINTHLGKEQSRDDLEALGHMFMYFLRGLPWQGLKADTLKERYQKIGDTRATPIEVL CENFPEMAT
 YLRVYRRLDFFEKPDYDYL RKLFDLFD RKG YMF DYEYDWIGQLPTPVGAVQQDPALSSNREAHQHRDK
 MQQSKNQVVSSTNGELNTDDPTAGRSNAPITAPTEVEVMD ETNCQKVLNMWCCCFKRRKRKTIQRHK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001270573

ORF Size: 1044 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_001270573.2](#)

RefSeq Size: 4226 bp

RefSeq ORF: 1047 bp

Locus ID: 1456

UniProt ID: [Q9Y6M4](#)

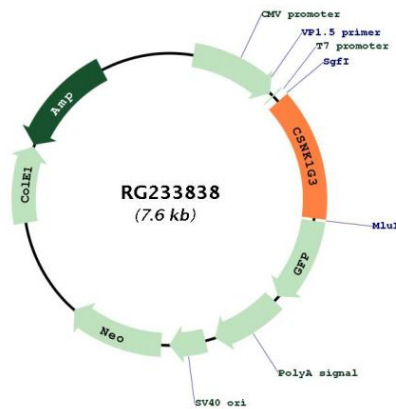
Cytogenetics: 5q23.2

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Hedgehog signaling pathway

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 RG233838