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Product datasheet for SC108512

CSNK1G3 (NM_004384) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSNK1G3 (NM_004384) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSNK1G3
Synonyms:	CKI-gamma 3; CSNK1G3L
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF sequence for NM_004384 edited
ATGGAAAATAAAAAGAAAGACAAGGACAAATCAGATGATAGAATGGCACGACCTAGTGGT
CGATCGGGACACAACACTCGAGGAACTGGGTCTTCATCGTCTGGAGTTTTAATGGTTGGA
CCTAACTTTAGAGTTGGAAAAAAAATTGGATGTGGCAATTTTGGAGAATTACGATTAGGG
AAAAATTTATACACAAATGAATATGTGGCAATTAAGTTGGAGCCCATGAAATCAAGAGCA
CCACAGCTACATTTGGAATACAGATTCTATAAGCAGTTAGGATCTGGAGATGGTATACCT
CAAGTTTACTATTTCGGCCCTTGTGGTAAATACAATGCTATGGTGCTGGAACTGCTGGGA
CCTAGTTTGGAAGACTTGTTTGACTTGTGTGACAGAACATTTTCTCTTAAAACAGTTCTC
ATGATAGCTATACAACTGATTTCTCGCATGGAATATGTCCATTCAAAGAACTTGATATAC
AGAGATGTAAAACCTGAGAACTTCTTAATAGGACGACCAGGAAACAAAACCCAGCAAGTT
ATTCACATTATAGATTTTGCTTTGGCAAAGGAATATATTGATCCGGAGACAAAGAAACAC
ATACCATACAGAGAACACAAGAGCCTTACAGGAACAGCTAGATATATGAGCATAAACACA
CATTTAGGAAAAGAACAAAGTAGAAGAGACGATTTAGAAGCTTTAGGTCATATGTTCATG
TATTTTCTGAGAGGCAGTCTTCCTTGGCAAGGCTTAAAGGCTGACACATTAAAGGAGAGG
TATCAGAAAATTGGAGATACAAAACGGGCTACACCAATAGAAGTGTTATGTGAAAATTTT
CCAGAAATGGCAACATATCTTCGTTATGTAAGAAGGCTAGATTTTTTTGAAAAACCAGAC
TATGACTACTTAAGAAAGCTTTTTACTGACTTGTTTGATCGAAAAGGATATATGTTTGAT
TATGAATATGACTGGATTGGTAAACAGTTGCCTACTCCAGTGGGTGCAGTTCAGCAAGAT
CCTGCTCTGTCATCAAACAGAGAAGCACATCAACACAGAGATAAGATGCAACAATCCAAA
AACCAGGTTGTAAGTTCTACAAATGGAGAGTTAAACACAGATGACCCCACCGCAGGACGT
TCAAATGCACCCATCACAGCCCCTACTGAAGTAGAAGTGATGGATGAAACCAAGTGCTGC
TGTTTTTTCAAACGAAGGAAAAGGAAAACCATACAGCGCCACAAATGACTCTGGACACAG
ACAGATCCTGGGGAGTTACTTACATGTTCATCTGCTGTCTTGTGATTAAAATCATCTCTG
TAGTGACCACGTATATTTTCAAGGACTCACTCTTAGAAACAAAAATGTCATACTTTCATA
CTTCATTTTGTGGGTTGTCTTACATTCTTTTTCTTTTTTTTTTTTTCTCTAATTTAACCT
TTATGGAAGCTTTAAAGTTTTGTCAAAACATGAGTGCTTTGCCCATCACTGAATGGGAAT
GGACCAATGGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004384 unedited
NGGTTCAGATTTTGTAATACGACTCACTATAGGGCGGCCGCNGATTCGGCACGAGGTGCC
GCGCCCGGGACCGACCCCTCTGCTCGCGGCCGCGCCTTTGAGCTCTCTATCAATATCAGC
TCACATCATTGAAAAGATAATTTTGAAGACATGTTTTGCTGAAAAGACACTAAGAAAAAT
TTTACGAATGGGATGAACATGCTCCAGTTAATTGACTACCTACTGCAATTTGAATGTTAA
CATTACCCATCTGGTACAGTTACCTAGTGATGTACCTATTTTCACAATACCCTGTTTCAG
TGTGCTTGTCTTGATTAAAGAATTCAAAGTGGAGTACCGCAAACTTGATATGGAAAATAA
AAAGAAAGACAAGGACAAATCAGATGATAGAATGGCACGACCTAGTGGTCGATCGGGACA
CAACACTCGAGGAACTGGGTCTTCATCGTCTGGAGTTTTAATGGTTGGACCTAACTTTAG
AGTTGGAAAAAAAAATTGGATGTGGCAATTTTGGAGAATTACGATTAGGGAAAAATTTATA
CACAAATGAATATGTGGCAATTAAGTTGGAGCCCATGAAATCAAGAGCACCACAGCTACA
TTTGGAATACAGATTCTATAAGCAGTTAGGATCTGGAGATGGTATACCTCAAGTTTACTA
TTTCGGCCCTTGTGGTAAATACAATGCTATGGTGCTGGAACTGCTGNGACCTAGTTTGGA
AGACTTGTTTGACTTGTGTGACAGAACATTNTCTCTTAAACAGTTCTCATGATAGCTATA
CAACTGATTTCTCGCATGGAATATGTCCATTCANAGAACTTGATATACAGAGATGTANAA
CCTGAGAACTTCTTAATANGACGACCAGNAAACANNACCCCAGCAGGTATTCACATTNNA
TAGATTTGCTTTGGCAAGGATAATATTGATCCGGNAGACAAGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004384 unedited
GGGCCCCGGGGACACCCACACCTTTTNNNNNNNNNNTTTACTTGNACCCGGCCGCATTCT
AGATCNATTTTTTTTTTTTTTTTTTTATGCTGGGGGTCTTTTTTTTAATCAAAGACAAAA
TATTACACAGACACCATTGCATGGCACATCCAAAGTTTTCTGCTTAAGGGAGAATGTAAT
CATTCAGCAGTAAGTTTCGGTGAGATTTCTTTAGGCTTCCACCTTATACTGCAACAAGGT
TCACATTTACTACCTCTCCTTAGTGTATTTCTTTATAACTCCAACATATATCACTTTTTA
AAGTATTCATTTCTTGCTGTCTAACATACATTATTATTTGGAAGCATAAAGTTACATTGT
ACAAATATTTTGCATTTTTAAAAATAAGCGCTTTTGCCACTTCTGCAACACAGTACTTCA
CATAGTGATGCAACAAAAGCGGAGCACATATTTACCACACTCCTTAAGATTCATTTTACC
ACCACCATCTGCCGAACCCATATTGCTTTTTCCTCAGTACCTCTGGGCAGTGACTGTACC
ATGATTTCACGGAGAGAATGTTAATATGACTTATGAATAACAGTACCATCAGTAATACTG
AAATCAATGCAGATGTCACAAAATATGAACTTCTCAAGGAATAACTTCTTTTAAATATTT
GGGCAACTCTGTTTTCTCTGTTGGATTATCCACTGAGAAAAGAAATTCCTGTTTGATTAT
GCTCTTACAGAAGTTATAAAAAACCAGATAGGTATATAACTGGGTGACACTTAAGATACT
GTACTGCTTTCTACAACAGAAGAACTTCTGGAAAATGTTCTATGGAACTATATTCATTGA
TACCACCTCATTGGTCCATTCCATCCAAGGATGGGCAAAGCACTATGTTTTGACAAAACT
TTAAGCTTCCTAAAGTTTAATTTNAGAAAAAAAAAAAAGACAAGGATTGTAGAACCCCAAA
ATGAT

Restriction Sites: NotI-NotI

ACCN: NM_004384

Insert Size: 2500 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_004384.2, NP_004375.2
RefSeq Size:	4352 bp
RefSeq ORF:	1344 bp
Locus ID:	1456
UniProt ID:	Q9Y6M4
Cytogenetics:	5q23.2
Domains:	pkinase, TyrKc, S_TKc
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] Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.