

Product datasheet for **SC104499**

CSNK1G1 (AK023779) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSNK1G1 (AK023779) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSNK1G1
Synonyms:	CK1gamma1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for AK023779 edited
 GAATTCGGCAGGAGGAAATAACATTAACATGGATCAGAGGTAAGTGGCTTCATCTGTTCC
 CATTGGACCTTGGCTAGGGAATATCATTTCAGTGGCATCAAACCTGCTTAGCTTATGAAA
 AGATGGTAATATGTCATTTCTATAAATGTTTCTATATATGAAACATAAAGTGGCAGGGAG
 ATACAATATCACACCCCTTCCCCACAAGGACTGTGAATATTGGGATTTATGTCCTTGCCA
 TTACCTAGTGGTTACAGCCCTATCACTAAAATTTACATCGTTTCTCAGTTGGGATTTGGG
 CATTGCTAACTTACTGTATAGAAAAGTTTAACTTTTCTCACCCCTGTATAGAAAATGCCT
 TGCTCTCAAGAGAGGGCAGAGGGGGGGCCAGGTGCAGTGGCTCACGCCCTGTAATCCAG
 CAGTTTGGGAGGCCAAGGCAAGTGGATCATGTGAGGTCAAGAGTTCGAGACCAGCCTGGC
 CAACATGGTAAAACCCCTCTCTACAAAAAAAAAAAAAAAAATTAGCTGGGCATGGTGGCATG
 CTCCCGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCACTTGAGCCTGGGAGGC
 AGAAGTTGCAGTGAAGCCGAGATCGCACCCTGCACTCCAGCCTGGGCAACAGAGTGAGAC
 TCTGTCTAAAAAGAAAAAAAAAAAAAGGGCAGAGGGAAATGGTGGGAATGCCTGGAGCATC
 CTGGCACTCTACTCTACTGAGTGCCTCTCTCAGCCCTCACCTGCTCCACACACA
 CACACACAAAAGCAAAGGCACTGACCAGCTTGGCTGCAGGGCAAGCTGCCTTGCAGCTGG
 ATTTGCGACTTTTTTTTTGTCTTAAATTTACTGGATXXXXXXXXXXXXXXXXXXXXTTT
 CAGTGCTAGTAACCACTTTAATGCCAGAAATATGTAACAATGATAATGTAAACGTCAAAG
 TGGTACTAAAGATTATAGCCTTAACTTTTTATGTAAGAGATAAAATCCATTCTCCTC
 CCAGTGAGCAAGCATGGCTTGCATTTCTCAAAAATGAGAACTTCCATGGCAGCCAAGAAA
 ACGTCTTCTCAGAGGAACCTTCGTTTGATGCATCTCCCAAGCCACATGCCTCCTGTGTT
 CCAGCCACCTCTCCATTTACATTTAAACCAGCTCTCCATTCCATTGAGTTGCCCTAA
 CAACATTGTCTCCAGTGTGAGAACCATATTAAGGTTGTTTCTCAGATTGGGAGCCTGCA
 ACACCATACAGCCAACATTGCCTTTGCCACGCCACTGCCACCATCCCCACCATTGCCCTA
 TGGTGGGCAGATGAATCCAGAAACCCTCAGGGAGCCAGGATAATTAGGCAACCCATCTG
 AATTGGCCACGTAAGTGACAGGCACTTATCTCTCGGGTCTTGCTTTTGCAGACTCCAGG
 GAAGTCTGTCTAGAGGTCGATGGCAGAGACTCCTAGTCTTCCCATGAGGGGTTGATAG
 GAATCAAATTGGGATTCCTTTGGCTTTGGGTTTTGTTTTTTGTTGTTGTTTTGGTTTT
 CAGTTTGTTTTTGGTGTATGGGGGTGATTTGTTTCTGAATAAGAAAAAGAAGAGGCA
 ACCATGGCCCTTATGTGGGTTTATCCTTTTTGAGCAATGTTTTAGCCACAAGTAAGGAAT
 CTTGAAAGTCTTTGTCCAGCAAGCAGTCTTAAAAATGTTTTTCTAACTCCTTTTGCAG
 GTGACTAAGTACAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence: >OriGene 5' read for AK023779 unedited
 AAAAAGTCTCCCGCAGCCCTTGGCCCTTAGGGCGGTAGGCGGTACGGTGGGNAGGTCTAT
 ATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCG
 GCCGCAATTCGGCAGGAGGAAATAACATTAACATGGATCAGAGGTAAGTGGCTTCATC
 TGTCCATTGGACCTTGGCTAGGGAATATCATTTCAGTGTTTTTCAAACCTGCTTAGCTT
 ATGAAAAGATGGTAATATGTCATTTCTATAAATGTTTCTATATATGAAACATAAAGTGGC
 AGGAGATACAATATCACACCCCTTCCCCACAAGGACTGTGAATATTGGGATTTATGTCC
 TTGCCATTACCTAGTGGTTACAGCCCTATCACTAAAATTTACATCGTTTCTCAGTTGGGA
 TTTGGCATTGCTAACTTACTGTATAGAAAAGTTTAACTTTTCTCACCCCTGTATAGAAA
 ATGCCTTGCCTCTCAAGAGAGGGCAGAGGGGGGGCCAGGTGCGTGGNCTCACGCCTGTA
 ATCCCAGCAGTTTGGGAGCCAAGGCAAGTGGATCATGTGAGGTCAAGAGTTCGAGACCA
 GCCTGGCCAACATGGTGAACCCCTCTCTACAAAAAAAAAAAAAAAAATTAGCTGGGCATGG
 TGGCATGTCCCAGTCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCACTTGAGCCT
 GGGAGGCAGAAGTTGAGTGCAGTGCAGCCGAGATCGCACCCTGCACTTCCAGCCTGGGCAACAG
 AATGAGACTCTGTCTAAAAAGAAAAAAAAAAAAAGGGCAGAAGGAAAATGGTGGGATGCCTTG
 AGCATCTGGCACTCTTACTCTACTGAGTGTCTCTTTAGCCCTCCCTGGTTTAC
 CACACACCACAA

Restriction Sites: NotI-NotI
ACCN: AK023779

Insert Size:	2750 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:	<ol style="list-style-type: none">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:	AK023779.1
RefSeq Size:	4171 bp
RefSeq ORF:	4171 bp
Locus ID:	53944
Cytogenetics:	15q22.31
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Hedgehog signaling pathway
Gene Summary:	This gene encodes a member of the casein kinase I gene family. This family is comprised of serine/threonine kinases that phosphorylate acidic proteins such as caseins. The encoded kinase plays a role in cell cycle checkpoint arrest in response to stalled replication forks by phosphorylating Claspin. A mutation in this gene may be associated with non-syndromic early-onset epilepsy (NSEOE). [provided by RefSeq, Jul 2016]