

Product datasheet for **RG224794**

CSNK1G1 (NM_022048) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSNK1G1 (NM_022048) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CSNK1G1
Synonyms:	CK1gamma1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224794 representing NM_022048 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCATCCTAGTAGGGAAAAGGATGAAAGACAACGGACAACCTAAACCCATGGCACAAAGGAGTGCAC
ACTGCTCTCGACCATCTGGCTCCTCATCGTCTCTGGGTTCTTATGGTGGGACCCAACCTCAGGGTTGG
CAAGAAGATAGGATGTGGAACTTCGGAGAGCTCAGATTAGGTAATACTCTACACCAATGAATATGTA
GCAATCAAACCTGGAACCAATAAAATCACGTGCTCCACAGCTTCATTTAGAGTACAGATTTTATAACAGC
TTGGCAGTGCAGGTGAAGTCTCCACAGGTGATTACTTTGGACCATGTGGAAATATAATGCCATGGT
GCTGGAGCTCCTTGGCCCTAGCTTGGAGGACTTGTGGACCTCTGTGACCGAACATTTACTTTGAAGACG
GTGTTAATGATAGCCATCCAGCTGCTTTCTCGAATGGAATACGTGCACTCAAAGAACCTCATTTACCGAG
ATGTCAAGCCAGAGAACTTCTGATTGGTGCAGCAAGGCAATAAGAAAGAGCATGTTATACACATTATAGA
CTTTGGACTGGCCAAGGAATACATTGACCCGAAACCAAAAAACACATACCTTATAGGGAACACAAAAGT
TAACTGGAACCTGCAAGATATGTCTATCAACACGCATCTTGGCAAAGAGCAAAGCCGGAGAGATGATT
TGGAAGCCCTAGGCCATATGTTTCATGATTTCTTTCGAGGCAGCTCCCTGGCAAGGACTCAAGGCTGA
CACATTAAGAGAGATATCAAAAAATTGGTGACACCAAAAGGAATACTCCATTGAAGCTCTCTGTGAG
AACTTTCCAGAGGAGATGGCAACCTACCTTCGATATGTCAGGCGACTGGACTTTTAAAAACCTGATT
ATGAGATTTACGGACCCTCTTACAGACCTCTTTGAAAAGAAAGGCTACACCTTTGACTATGCCTATGA
TTGGGTTGGGAGACCTATTCTACTCCAGTAGGGTCAGTTCACGTAGATTCTGGTGCATCTGCAATAACT
CGAGAAAGCCACACATAGGGATCGGCCATCACAAACAGCAGCCTCTTCGAAATCAGGTGGTTAGCTCAA
CCAATGGAGAGCTGAATGTTGATGATCCCACGGGAGCCCACTCCAATGCACCAATCACAGCTCATGCCGA
GGTGGAGGTAGTGGAGGAAGCTAAGTGCTGCTGTTCTTTAAGAGGAAAAGGAAGAAGACTGCTCAGCGC
CACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_022048.5](#)

RefSeq Size: 8163 bp

RefSeq ORF: 1269 bp

Locus ID: 53944

UniProt ID: [Q9HCP0](#)

Cytogenetics: 15q22.31

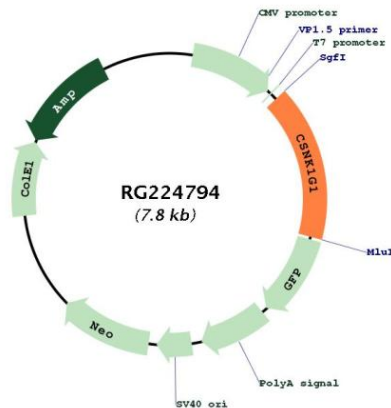
Domains: pkinase, TyrKc, S_TKc

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]

Product images:



Circular map for RG224794