

# Recombinant Human CSNK1E Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CSNK1E-2289H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

CSNK1E MS Standard C13 and N15-labeled recombinant protein (NP\_001885) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

The protein encoded by this gene is a serine/threonine protein kinase and a member of the casein kinase I protein family, whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded protein is found in the cytoplasm as a monomer and can phosphorylate a variety of proteins, including itself. This protein has been shown to phosphorylate period, a circadian rhythm protein. Two transcript variants encoding the same protein have been found for this gene.

### Molecular Mass

47.3 kDa

### AA Sequence

MELRVGNKYRLGRKIGSGSFGDIYLGANIASGEEVAIKLECVKTKHPQLHIESKFYKM  
 MQGGVGIPSIKWCGAEGDYNMVMELLGPSLEDLNFNFCSRKFSLKTVLLLADQMIS  
 RIEYIHSKNFIHRDVKPDNFLMGLGKKGNLVYIIDFGLAKKYRDARTHQHIPPYRENKLN  
 TGTARYASINTHLGIEQSRRDDLES LGYVLMYFNLGSLPWQGLKAATKRQKYERISE  
 KKMSTPIEVLCCKGYPSEFSTYLNFCRSLRFDDKPDYSYLRQLFRNLFHRQGFSDYDV  
 FDWNMLKFGAARNPEDVDREHEREERMGQLRGSATRALPPGPPTGATANRL

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RSAAEPVASTPASRIQPAGNTSPRAISRVDREKRVSMRLHRGAPANVSSSDLTGRQ  
EVSRI PASQTSVPFDHLGKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CSNK1E casein kinase 1 epsilon [ Homo sapiens (human) ]

**Official Symbol** CSNK1E

**Synonyms** CSNK1E; casein kinase 1, epsilon; casein kinase I isoform epsilon; CKIE; CKIepsilon; HCKIE; CKIε; CKI-epsilon; MGC10398;

**Gene ID** 1454

**mRNA Refseq** NM\_001894

**Protein Refseq** NP\_001885

**MIM** 600863

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UniProt ID

P49674

SDS-PAGE



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