

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

Cat. No. CSNK1E-2372H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CSNK1E MS Standard C13 and N15-labeled recombinant protein (NP_689407) 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 MQGGVGIPSIKWCGAEGDYNVMVMELLGPSLEDLFNFCSRKFSLKTVLLLADQMIS RIEYIHSKNFIHRDVKPDNFLMGLGKKGNLVYIIDFGLAKKYRDARTHQHIPPYRENKNL TGTARYASINTHLGIEQSRDDLES LGYVLMYFNLGSLPWQGLKAATKRQKYERISE KKMSTPIEVLCKGYPSEFSTYLNFCRSLRFDDKPDYSYLRQLFRNLFHRQGFSYDYV FDWNMLKFGAARNPEDVDREHREHEREERMGQLRGSATRALPPGPPTGATANRL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RSAAEPVASTPASRIQPAGNTSPRAISRVDREKRVSMRLHRGAPANVSSSDLTGRRQ
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; CKIe; CKI-epsilon; MGC10398;

Gene ID 1454

mRNA Refseq NM_152221

Protein Refseq NP_689407

MIM 600863

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UniProt ID

P49674

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