

Recombinant Human CSNK1E Protein (1-416 aa), His-tagged

Cat. No. CSNK1E-1370H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CSNK1E Protein (1-416 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Human
Source	Yeast
ProteinLength	1-416 aa
Description	Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. Can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates DVL1. Central component of the circadian clock. In balance with PP1, determines the circadian period length, through the regulation of the speed and rhythmicity of PER1 and PER2 phosphorylation. Controls PER1 and PER2 nuclear transport and degradation. Inhibits cytokine-induced granulocytic differentiation.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	49.3 kDa
AA Sequence	MELRVGNKYRLGRKIGSGSFGDIYLGANIASGEEVAIKLECVKTKHPQLHIESKFYKM MQGGVGIPSIKWCGAEGDYNVMVMELLGPSLEDLFNFCSRKFSLKTVLLLADQMIS RIEYIHSKNFIHRDVKPDNFLMGLGKKGNLVYIIDFGLAKKYRDARTHQHIPPYRENKNL

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TGTARYASINTHLGIEQSRDDLES LGYVLMYFNLGSLPWQGLKAATKRQKYERISE
 KKMSTPIEVLCKGYPSEFSTYLNFCRSLRFDDKPDYSYLRQLFRNLFHRQGFSYDYV
 FDWNMLKFGAARNPEDVDRE RREHEREERMGQLRGSATRALPPGPPTGATANRL
 RSAAEPVASTPASRIQPAGNTSPRAISRVDRE RRVSMRLHRGAPANVSSSDLTGRQ
 EVSRIPASQTSVPFDHLGK

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name CSNK1E casein kinase 1, epsilon [Homo sapiens]

Official Symbol CSNK1E

Synonyms CSNK1E; CKIE; CKIepsilon; HCKIE; CKIe; CKI-epsilon; MGC10398;

Gene ID 1454

mRNA Refseq NM_001894

Protein Refseq NP_001885

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MIM	600863
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UniProt ID	P49674
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