



Recombinant Human Casein kinase I isoform epsilon (CSNK1E)

Product Code	CSB-MP006068HU
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P49674
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MELRVGNKYRLGRKIGSGSFGDIYLGANIASGEEVAIKLECVKTKHPQLHIESKF YKMMQGGVGIPIKWCWGAEGDYNMVMELLGPSLEDLNFCSRKFSLKTVLLL ADQMISRIEYIHSKNFIHRDVKPDNFLMGLGKKGNLVYIIDFGLAKKYRDARTHQ HIPYRENKNTGTARYASINTHLGIEQSRRDDLESLGYVLMYFNLGSLPWQGL KAATKRQKYERISEKKMSTPIEVLCKGYPSEFSTYLNFCRSLRFDDKPDYSYLR QLFRNLFHRQGFSDYVFDWNMLKFGAARNPEDVDREHEREERMGQLR GSATRALPPGPPTGATANRLRSAAEPVASTPASRIQPAGNTSPRAISRVDRE KVSMRLHRGAPANVSSDLTGRQEVSRIASQTSVDFHGLGK
Research Area	Signal Transduction
Source	Mammalian cell
Target Names	CSNK1E
Protein Names	Recommended name: Casein kinase I isoform epsilon Short name= CKI-epsilon Short name= CKIε EC= 2.7.11.1
Expression Region	1-416aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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