

Active Recombinant Human CSNK1E Protein, GST-tagged

Cat. No. CSNK1E-1994H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CSNK1E (NP_001885.1, 1 a.a. - 348 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
ProteinLength	1-348 a.a.
Description	<p>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. [provided by RefSeq, Feb 2014]</p>
Form	Liquid
Bio-activity	<p>The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: CKtide. ATP: 100 uM.</p>
Molecular Mass	68 kDa

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Purity	54 % by SDS-PAGE/CBB staining
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)

GENE INFORMATION

Gene Name	CSNK1E casein kinase 1, epsilon [Homo sapiens]
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_001894
Protein Refseq	NP_001885
MIM	600863
UniProt ID	P49674

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