

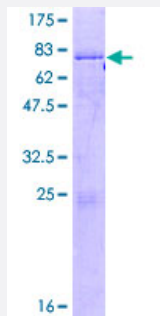
Full-Length

CSNK1E (Human) Recombinant Protein (P01)

Catalog # H00001454-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CSNK1E full-length ORF (NP_001885.1, 1 a.a. - 416 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MELRVGNKYRLGRKIGSGSFGDIYLGANIASGEEVAIKLECVKTKHPQLHIESKFYKMMQGGVGIPSI
KWCGAEGDYNVMVMELLGPSLEDLFNFCSRKFSCLKTVLLADQMISRIEYHNSKNFIHRDVKPDNF
LMGLGKKGNLVYIIDFGLAKKYRDARTHQHYPYRENKNTGTARYASINTHLGIEQSRDDLESGLYV
LMYFNLGSLPWQGLKAATKRQKYERISEKKMSTPIEVLCKGYPSEFSTYLNFCRSLRFDDKPDYSY
LRQLFRNLFHRQGFSDYVFDWNMLKFGAARNPEDVDREHREHEREERMGQLRGSATRALPPG
PPTGATANRLRSAAEPVASTPASRIQPAGNTSPRAISRVDREKVSMLRHRGAPANVSSSDLTGR
QEVSRIPASQTSVPFDHLGK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73.7

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CSNK1E

Entrez GeneID [1454](#)

GeneBank Accession# [NM_001894.4](#)

Protein Accession# [NP_001885.1](#)

Gene Name CSNK1E

Gene Alias HCKIE, MGC10398

Gene Description casein kinase 1, epsilon

Omim ID [600863](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations CKI-epsilon|OTTHUMP00000063258|OTTHUMP00000063263|casein kinase 1 epsilon|casein kinase I epsilon

Pathway

- [Circadian rhythm - mammal](#)
- [Hedgehog signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Amphetamine-Related Disorders](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Chronobiology Disorders](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Heroin Dependence](#)
- [Mood Disorders](#)
- [NARP](#)
- [Neoplasm Invasiveness](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Psychoses](#)

- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep Disorders](#)