# Recombinant Human CSNK1E Protein (17-231 aa), GST-tagged

**Cat. No.** CSNK1E-1183H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human CSNK1E Protein (17-231 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 17-231 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 phospohorylation. Controls PER1 and PER2 nuclear transport and degradation. Inhibits cytokine-induced granuloytic differentiation. |
| **Form** | Tris-based buffer,50% glycerol |
| **Molecular Mass** | 51.5 kDa |
| **AA Sequence** | SGSFGDIYLGANIASGEEVAIKLECVKTKHPQLHIESKFYKMMQGGVGIPSIKWCGAE GDYNVMVMELLGPSLEDLFNFCSRKFSLKTVLLLADQMISRIEYIHSKNFIHRDVKPD NFLMGLGKKGNLVYIIDFGLAKKYRDARTHQHIPYRENKNLTGTARYASINTHLGIEQ |

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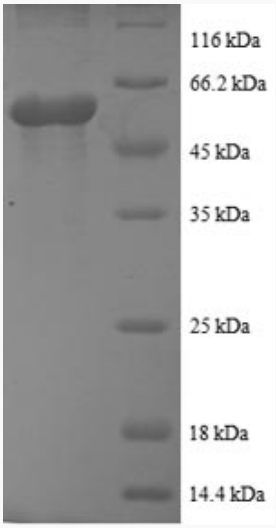
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|---|---|
| | SRRDDLESLGYVLMYFNLGSLPWQGLKAATKRQKYERISEK |
| **Purity** | > 90% as determined by SDS-PAGE. |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week. |
| **Storage** | 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. Please refer to it for detailed information. |

## GENE INFORMATION

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| **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 |
| **MIM** | 600863 |

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| **UniProt ID** | P49674 |




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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