

Datasheet for ABIN7479200

**CK1 epsilon Protein (AA 17-231) (GST tag)**[Go to Product page](#)**1** Image

## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 100 µg   |
| Target:                       | CK1 epsilon (CSNK1E)                               |
| Protein Characteristics:      | AA 17-231  |
| Origin:                       | Human  |
| Source:                       | Escherichia coli (E. coli)                         |
| Protein Type:                 | Recombinant  |
| Purification tag / Conjugate: | This CK1 epsilon protein is labelled with GST tag. |
| Application:                  | ELISA  |

## Product Details

|                  |   |
|------------------|---|
| Sequence:        | SGSFGDIYLG ANIASGEEVA IKLECVKTKH PQLHIESKFY KMMQGGVGIP SIKWCGAEGD<br>YNVMVMELLG PSLEDLFNFC SRKFSCLKTVL LLADQMISRI EYIHSKNFIH RDVKPDNFLM<br>GLGKKGNLVY IIDFGLAKKY RDARTHQHIP YRENKNLTGT ARYASINTHL GIEQSRDDL<br>ESLGYVLMYF NLGSLPWQGL KAATKRQKYE RISEK |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.  |
| Purity:          | 95 %  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | CK1 epsilon (CSNK1E)  |
| Alternative Name: | Casein kinase I isoform epsilon protein ( <a href="#">CSNK1E Products</a> ) |

## Target Details

|                   |   |
|-------------------|---|
| Background:       | 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. May act as a negative regulator of circadian rhythmicity by phosphorylating PER1 and PER2. Retains PER1 in the cytoplasm. Inhibits cytokine-induced granulocytic differentiation. Ref. |
| Molecular Weight: | 51.9 kD   |
| UniProt:          | <a href="#">P49674</a>  |
| Pathways:         | <a href="#">Hedgehog Signaling, M Phase</a>   |

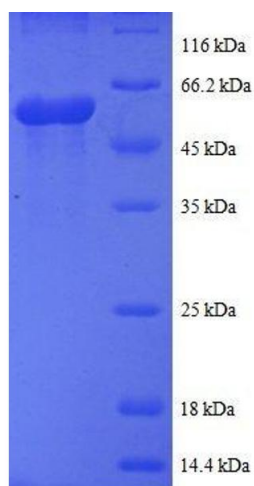
## Application Details

|          |  |
|----------|--|
| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
|----------|--|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Concentration:   | 0.2-2 mg/mL   |
| Buffer:          | Tris-based buffer, 50 % glycerol  |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage:         | -20 °C  |
| Storage Comment: | Store at -20 °C for extended storage, conserve at -20 °C or -80 °C                                  |



#### SDS-PAGE

**Image 1.** Casein Kinase 1, epsilon (CSNK1E) (AA 17-231) protein (GST tag)