

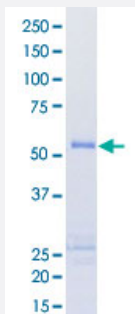
Bioactive

CSNK1D (Human) Recombinant Protein

Catalog # P5524

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human CSNK1D (NP_001884.2, 1 a.a. - 294 a.a.) partial recombinant protein with GST tag expressed in <i>Escherichia coli</i> .
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	61
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Glutathione sepharose chromatography
Purity	64 % by SDS-PAGE/CBB staining

Activity	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.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CSNK1D

Entrez GeneID	1453
Protein Accession#	NP_001884.2
Gene Name	CSNK1D
Gene Alias	HCKID
Gene Description	casein kinase 1, delta
Omim ID	600864
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the casein kinase I (CKI) gene family whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. The encoded protein is highly similar to the mouse and rat CK1 delta homologs. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	-

Pathway

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

Disease

- [Alzheimer disease](#)
- [Bipolar Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cognition](#)
- [Communicable Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Psoriasis](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Sleep](#)