

Bioactive

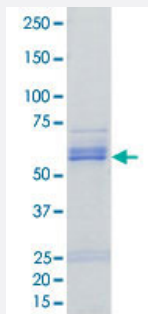
Full-Length

# CSNK1A1 (Human) Recombinant Protein

Catalog # P5692

Size 5 ug

## Applications



## Result of activity analysis

Result of activity analysis

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## Specification

<b>Product Description</b>	Human CSNK1A1 (NP_001883.4, 1 a.a. - 337 a.a.) full-length recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
<b>Host</b>	insect
<b>Theoretical MW (kDa)</b>	66
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus expression system
<b>Purification</b>	Glutathione sepharose chromatography and anion exchange chromatography
<b>Purity</b>	78 % by SDS-PAGE/CBB staining.

<b>Activity</b>	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 : CHKtide. ATP: 100 μM.
<b>Quality Control Testing</b>	Loading 1 ug protein in SDS-PAGE
<b>Storage Buffer</b>	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — CSNK1A1

<b>Entrez GeneID</b>	<a href="#">1452</a>
<b>Protein Accession#</b>	<a href="#">NP_001883.4</a>
<b>Gene Name</b>	CSNK1A1
<b>Gene Alias</b>	CK1, HLCDGP1, PRO2975
<b>Gene Description</b>	casein kinase 1, alpha 1
<b>Omim ID</b>	<a href="#">600505</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	O
<b>Other Designations</b>	down-regulated in lung cancer

## Pathway

- [Hedgehog signaling pathway](#)

- [Wnt signaling pathway](#)

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)