

Bioactive

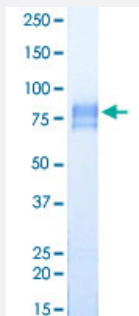
Full-Length

CSNK1G1 (Human) Recombinant Protein

Catalog # P5521

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human CSNK1G1 (NP_071331.2, 1 a.a. - 422 a.a.) full-length recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	76
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	95 % 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 — CSNK1G1

Entrez GeneID	53944
Protein Accession#	NP_071331.2
Gene Name	CSNK1G1
Gene Alias	-
Gene Description	casein kinase 1, gamma 1
Omim ID	606274
Gene Ontology	Hyperlink
Gene Summary	Casein kinase I is the most abundant serine/threonine kinase in eukaryotic cell extracts. Multiple isoforms of the enzyme exist. The gamma-1 isoform is involved in growth and morphogenesis of eukaryotic cells.[supplied by OMIM]
Other Designations	-

Pathway

- [Hedgehog signaling pathway](#)