

Active Recombinant Human CSNK1A1 protein, GST-tagged

Cat. No. CSNK1A1-964H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CSNK1A1 protein(P48729-1) (Met 1-Phe 337) was expressed in Insect Cells with the GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-337 aa
Form	Supplied as sterile 20mM Tris, 500mM NaCl, 2mM GSH, pH 7.4.
Bio-activity	The specific activity was determined to be 30 nmol/min/mg using casein as substrate.
Molecular Mass	The recombinant human CSNK1A1/GST chimera consists of 561 amino acids and predicts a molecular mass of 65.2 kDa. It migrates as an approximately 62 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name CSNK1A1 casein kinase 1, alpha 1 [Homo sapiens]

Official Symbol CSNK1A1

Synonyms CSNK1A1; casein kinase 1, alpha 1; casein kinase I isoform alpha; CK1; CK1a; CK1alpha; CK1a; CK1alpha; clock regulator kinase; CKI-alpha; down-regulated in lung cancer; HLCDGP1; PRO2975;

Gene ID 1452

mRNA Refseq NM_001025105

Protein Refseq NP_001020276

MIM 600505

UniProt ID P48729

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