

Recombinant Human CSNK1A1

Cat. No. CSNK1A1-26814TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Casein Kinase 1 alpha protein expressed in baculovirus sf9 insect cells using an N terminal proprietary tag. Predicted MWt 62 kDa including tag
Species	Human
Source	Sf9 Cells
ProteinLength	337 amino acids
Description	Casein kinase I isoform alpha is an enzyme that in humans is encoded by the CSNK1A1 gene.
Molecular Weight	62.000kDa inclusive of tags
Biological activity	Specific activity is 120 nmol/min/mg
Form	Liquid
Purity	Densitometry
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequence Similarities Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Casein kinase I subfamily. Contains 1 protein kinase domain.

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;

Gene ID 1452

mRNA Refseq NM_001025105

Protein Refseq NP_001020276

MIM 600505

Uniprot ID P48729

Chromosome Location 5q32

Pathway Beta-catenin phosphorylation cascade, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Degradation of beta-catenin by the destruction complex, organism-specific biosystem; FoxO family signaling, organism-specific biosystem; Hedgehog signaling events mediated by Gli proteins, organism-specific biosystem;

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Function

ATP binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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