

Datasheet for ABIN7317097
CSNK1A1 Protein (GST tag)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	CSNK1A1
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CSNK1A1 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human CSNK1A1/CKI-alpha/CK1 Protein (GST Tag)(Active)
Sequence:	Met 1-Phe 337
Characteristics:	A DNA sequence encoding the full length of human CSNK1A1 isoform 1 (P48729-1) (Met 1-Phe 337) was expressed with the GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 30 nmol/min/mg using casein as substrate.

Target Details

Target:	CSNK1A1
Alternative Name:	CSNK1A1/CKI-alpha/CK1 (CSNK1A1 Products)

Target Details

Background:	<p>Background: Casein kinase I isoform alpha, also known as CKI-alpha, CK1 and CSNK1A1, is a cytoplasm protein which belongs to the protein kinase superfamily, CK1 Ser/Thr protein kinase family and casein kinase I subfamily. Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. High expression of CSNK2A1, or concomitantly high expression of CSNK2A1, are independent prognostic factors of poor survival in NSCLC patients. CSNK2A1 are useful prognosis markers in non-small cell lung cancer (NSCLC) patients after complete resection, independent of lymph node metastasis status. CSNK1A1 can phosphorylate a large number of proteins. It participates in Wnt signaling. It phosphorylates CTNNB1 at 'Ser-45'. CSNK1A1 may play a role in segregating chromosomes during mitosis.</p> <p>Synonym: CK1;CK1a;CKIa;HEL-S-77p;HLCDGP1;PRO2975</p>
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Molecular Weight:	65.2 kDa
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Pathways:	WNT Signaling , Hedgehog Signaling
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Application Details

Restrictions:	For Research Use only
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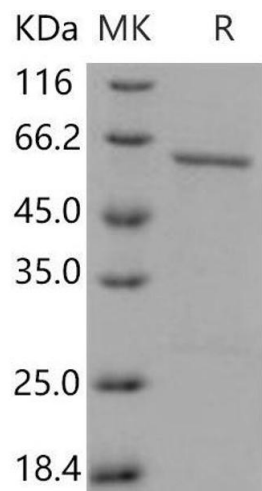
Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as sterile 20 mM Tris, 500 mM NaCl, 2 mM GSH, pH 7.4
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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Western Blotting

Image 1.