

Recombinant Human CK1- α /CSNK1A1 Kinase

Catalog No.: RP03402LQ

Sequence Information

Species	Gene ID
Human	1452
Swiss Prot	Tags
P48729	N-His-GST&C-Strep II

Synonyms

CSNK1A1; CK1 α ; CK1; CKI- α ; CK1 α ; Casein kinase I isoform α

Product Information

Source	Purification
Baculovirus-Insect Cells	$\geq 85\%$ as determined by SDS-PAGE; $\geq 85\%$ as determined by HPLC.

Calculated MW Observed MW

67.6 kDa 55-70 kDa

Endotoxin

< 1 EU/ μ g of the protein by LAL method.

Formulation

Supplied as a 0.22 μ m filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 20% glycerol, 5 mM DTT, 0.1 M Trehalose. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution

Please use running water to thaw it quickly.

Background

Casein kinase I isoform α is an enzyme that in humans is encoded by the CSNK1A1 gene. The Casein kinase 1 family of protein kinases are serine /threonine-selective enzymes that function as regulators of signal transduction pathways in most eukaryotic cell types. CK1 isoforms are involved in Wnt signaling, circadian rhythms, nucleo-cytoplasmic shuttling of transcription factors, DNA repair, and DNA transcription. Casein kinase 1, α 1 has been shown to interact with Centaurin, α 1 and AXIN1.

Basic Information

Description

Recombinant Human CK1- α /CSNK1A1 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ala2-Phe337) of Human CSNK1A1 (Accession #P48729) fused with a N-His-GST&C-Strep II tag.

Activity

The activity of CSNK1A1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

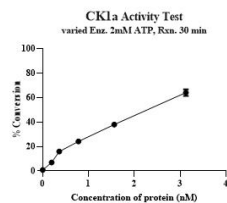
Contact

☎ | 400-999-6126

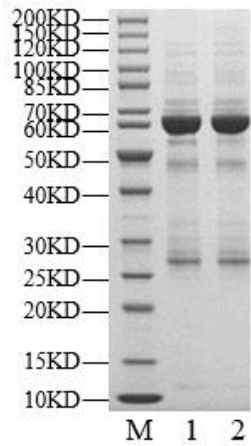
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Validation Data



The activity of CSNK1A1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.



Recombinant Human CK1- α /CSNK1A1 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.