Recombinant Human CK1-gamma 1/CSNK1G1 Kinase

Catalog No.: RP03442LQ

Sequence Information

Species	Gene ID
Human	53944
Swiss Prot	**Tags**
Q9HCP0	N-GST

Synonyms
CSNK1G1; CKI-gamma 1; CK1γ1; Casein kinase I isoform gamma-1

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.
Calculated MW	**Observed MW**
75.0 kDa	70-85 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 20%glycerol, 1 mM DTT. (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 gamma-1 is a member of the CK1 (formerly named casein kinase 1) family of serine/threonine specific eukaryotic protein kinases encompassing seven distinct isoforms (CK1α, γ1-3, δ, ε) as well as various post-transcriptionally processed splice variants (transcription variants, TVs) in mammalians. Like eukaryotic protein kinases (ePKs) the different isoforms of the CK1 family consist of a N-terminal and a C-terminal lobe (N- and C-lobe, respectively), which are connected via a hinge region. The gamma-1 isoform is involved in growth and morphogenesis of eukaryotic cells.

Basic Information

Description
Recombinant Human CK1-gamma 1/CSNK1G1 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Asp2-Lys422) of Human CSNK1G1 (Accession #Q9HCP0) fused with a N-GST tag.

Activity
The activity of CSNK1G1 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℃

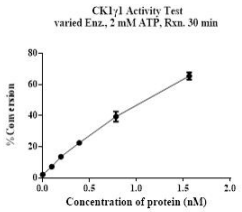
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

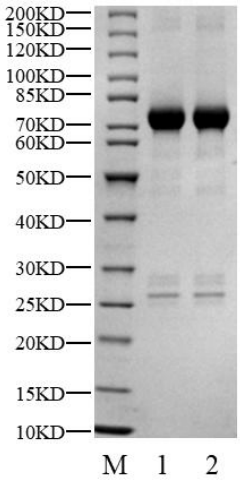
400-999-6126
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For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



The activity of CSNK1G1 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-gamma 1/CSNK1G1 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.