

Recombinant Human CK1-gamma 3/CSNK1G3 Kinase

Catalog No.: RP03450LQ Recombinant

Sequence Information

Species **Gene ID** **Swiss Prot**
 Human 1456 Q9Y6M4

Tags

N-GST

Synonyms

CSNK1G3; CK1-gamma 3; CK1 γ 3; Casein kinase I isoform gamma-3

Background

Casein kinase I isoform gamma-3 is a member of the CK1 (formerly named casein kinase 1) family of serine/threonine specific eukaryotic protein kinases encompassing seven distinct isoforms (CK1 α , γ 1-3, δ , ϵ) as well as various post-transcriptionally processed splice variants (transcription variants, TVs) in mammals. 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.

Basic Information

Description

Recombinant Human CK1-gamma 3/CSNK1G3 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Glu2-Lys447) of Human CSNK1G3 (Accession #Q9Y6M4) fused with a N-GST tag.

Bio-Activity

The activity of CSNK1G3 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

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C. This product is stable at \leq -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10 μ L are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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Operational Notes

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

Product Information

Source **Purification**

Baculovirus-Insect Cells \geq 90 % as determined by SDS-PAGE; \geq 90 % as determined by HPLC.

Calculated MW **Observed MW**

77.9 kDa 70-85 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, 5 mM DTT, 20% glycerol, 0.1 M Trehalose. (pH 7.5). Contact us for customized product form or formulation.

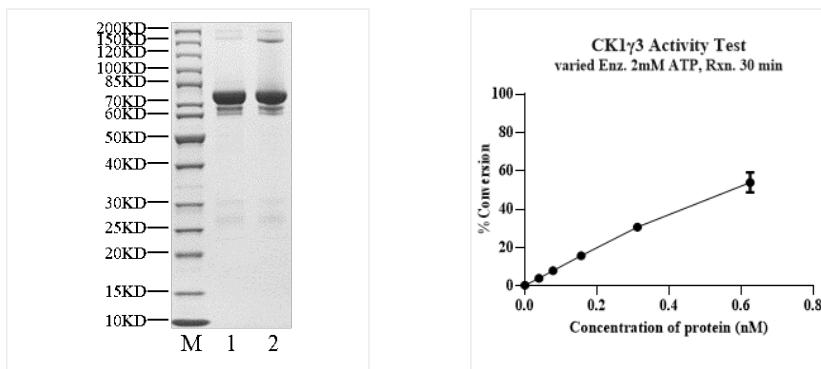
Reconstitution

Please use running water to thaw it quickly.

Contact

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Validation Data



Recombinant Human CK1-gamma 3/CSNK1G3 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.

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