Recombinant Human PKAC gamma/PRKACG Kinase

Catalog No.: RP03348LQ

Sequence Information

Species	Gene ID
Human	5568
Swiss Prot	**Tags**
P22612	No tag

Synonyms
PRKACG; PKA C-gamma; cAMP-dependent protein kinase catalytic subunit gamma

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.
Calculated MW	**Observed MW**
40.5 kDa	30-40 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

cAMP-dependent protein kinase catalytic subunit gamma is an enzyme that in humans is encoded by the PRKACG gene. Cyclic AMP-dependent protein kinase (PKA) consists of two catalytic subunits and a regulatory subunit dimer. This gene encodes the gamma form of its catalytic subunit. The gene is intronless and is thought to be a retrotransposon derived from the gene for the alpha form of the PKA catalytic subunit. And PRKACG has been shown to interact with Ryanodine receptor 2.

Basic Information

Description
Recombinant Human PKAC gamma/PRKACG Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Gly2-Phe351) of Human PRKACG (Accession #P22612) fused with No tag.

Activity
The activity of PRKACG 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℃

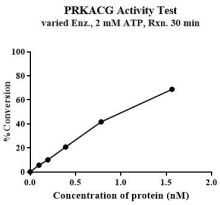
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

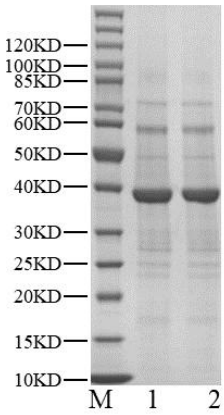
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



The activity of PRKACG 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 PKAC gamma/PRKACG Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.