Human PRKD2 (His & GST Tag) recombinant protein

Catalog Number: 500219

General Information

Gene Name Synonym

nPKC-D2

Protein Construction

A DNA sequence encoding the amino acid sequence (Met 1-Leu 878) of human PRKD2 (NP_057541.2) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

The specific activity was determined to be 86 nmol/min/mg using synthetic CREBtide peptide (KRREILSRRPSYR) as substrate.

Purity

> 82 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Met

Molecular Mass

The recombinant human PRKD2/GST chimera consists of 1115 amino acids and has a calculated molecular mass of 124 kDa. It migrates as an approximately 120 kDa band in SDS-PAGE under reducing conditions.

Formulation

Supplied as sterile 50mM Tris, 500mM NaCl, 0.5mM PMSF, 10% glycerol, pH 8.0
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

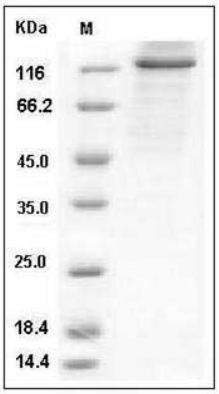
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human PRKD2 / PKD2 Protein (His & GST Tag) SDS-PAGE