

Human CAMK1D/CKLiK (GST Tag) recombinant protein



Catalog Number: 501793

General Information

Gene Name Synonym

Calcium/calmodulin-dependent protein kinase type 1D variant 2; Calcium/calmodulin-dependent protein kinase type 1D variant 3; cDNA FLJ76987, highly similar to Homo sapiens calcium/calmodulin-dependent protein kinase ID (CAMK1D), transcript variant 1

Protein Construction

A DNA sequence encoding the human CAMK1D (NP_705718.1) (Met 1-Lys 385) was fused with the GST tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

The specific activity was determined to be 70 nmol/min/mg using Autocamtide-2 synthetic peptide (KKALRRQETVDAL-amide) as substrate (see Activity Assay Protocol)

Purity

> 96 % 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°C

Predicted N terminal

Met

Molecular Mass

The recombinant human CAMK1D/GST chimera consists of 610 amino acids and predicts a molecular mass of 69 kDa. It migrates as an approximately 60 kDa band in SDS-PAGE under reducing conditions.

Formulation

Supplied as sterile 50mM Tris, 100mM NaCl, 0.5mM Reduced Glutathione, 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

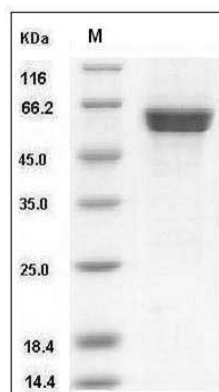
Storage

Store it under sterile conditions at -20°C to -80°C. 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 CAMK1D / CKLiK Protein (GST Tag) SDS-PAGE