

Human Glucokinase recombinant protein



Catalog Number: 500513

General Information

Gene Name Synonym

Hexokinase type IV; Hexokinase-4; Hexokinase-D

Protein Construction

A DNA sequence encoding the human glucokinase isoform 1 (NP_000153.1) (Leu 2-Gln 465) was expressed, fused with two additional amino acids (Gly & Pro) at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Kinase activity untested

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

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

Predicted N terminal

Gly

Molecular Mass

The recombinant human GCK isoform 1 consists of 466 amino acids and predicts a molecular mass of 52.2 kDa as estimated in SDS-PAGE under reducing conditions.

Formulation

Supplied as sterile 20mM Tris, 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

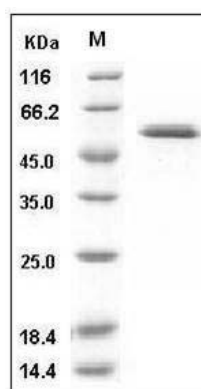
Storage

Store it under sterile conditions at -20°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 Glucokinase / GCK Protein SDS-PAGE