

## 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

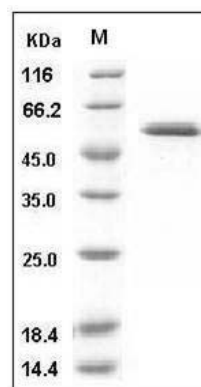
### Storage

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