# Human GRK6 (His & GST Tag) recombinant protein

Catalog Number: 500473



#### **General Information**

#### **Gene Name Synonym**

G protein-coupled receptor kinase GRK6

#### **Protein Construction**

A DNA sequence encoding the human GRK6 isofrom B (P43250-2) (Met 1-Arg 589) 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 7 nmol/min/mg using casein as substrate.

## **Purity**

> 93 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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 GRK6/GST chimera consists of 826 amino acids and has a calculated molecular mass of 95.1 kDa. It migrates as an approximately 85 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Supplied as sterile 20mM Tris, 500mM NaCl, 2mM GSH, 0.5mM PMSF, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

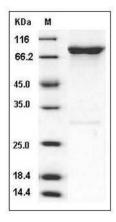
## **Storage**

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 GRK6 / GPRK6 Protein (His & GST Tag) SDS-PAGE