# Glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform (G6PDH), Recombinant Protein



Cat RP15822

### **Species**

Solanum tuberosum (Potato)

### **Full Product Name**

Recombinant Solanum tuberosum Glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform (G6PDH), partial

### **Product Gene Name**

G6PDH recombinant protein

### **Purity**

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

### **Format**

Lyophilized or liquid (Format to be determined during the manufacturing process)

#### Host

E Coli or Yeast or Baculovirus or Mammalian Cell

### Molecular Weight

58,471 Da

## **Storage**

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

### **NCBI Accession #**

P37830.1

#### NCBI GI#

585165

#### NCBI GenelD

102595038

#### **NCBI Official Full Name**

Glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform

# **NCBI Official Symbol**

LOC102595038

# **NCBI Official Synonym Symbols**

G6PD; g6pdh

### **NCBI Protein Information**

glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform

#### FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

E-mail: info@cd-biosci.com https://www.cd-biosciences.com/plant-protein/

# Glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform (G6PDH), Recombinant Protein



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### **UniProt Gene Name**

G6PDH

# **UniProt Synonym Gene Names**

G6PD

#### **UniProt Protein Name**

Glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform

## **UniProt Primary Accession #**

P37830

### **UniProt Related Accession #**

P37830

### **UniProt Comments**

Catalyzes the rate-limiting step of the oxidative pentose-phosphate pathway, which represents a route for the dissimilation of carbohydrates besides glycolysis. The main function of this enzyme is to generate NADPH for reductive biosyntheses.

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