

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 GenID

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

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

Cat *RP15822*

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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