

Recombinant Mouse G6pdx Protein, Myc/DDK-tagged

Cat. No. G6pdx-3123M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glucose-6-phosphate dehydrogenase X-linked (G6pdx), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Cytosolic glucose-6-phosphate dehydrogenase that catalyzes the first and rate-limiting step of the oxidative branch within the pentose phosphate pathway/shunt, an alternative route to glycolysis for the dissimilation of carbohydrates and a major source of reducing power and metabolic intermediates for fatty acid and nucleic acid biosynthetic processes.
Molecular Mass	59.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name G6pdx glucose-6-phosphate dehydrogenase X-linked [Mus musculus (house mouse)]

Official Symbol G6pdx

Synonyms G6pdx; glucose-6-phosphate dehydrogenase X-linked; G28; G6p; Gpd; G28A; G6pd; Gpdx; glucose-6-phosphate 1-dehydrogenase X; EC 1.1.1.49

Gene ID 14381

mRNA Refseq NM_008062

Protein Refseq NP_032088

UniProt ID Q00612

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