

Recombinant Mouse G6pdx Protein, Myc/DDK-tagged

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

SPECIFICATION

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|-------------------------|--|
| 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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