# 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

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| **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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