

# Kinetic properties of human placental glucose-6-phosph

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Dog liver glucose-6-phosphate dehydrogenase: purification and kinetic properties. International Journal of Biochemistry and Cell Biology, 2002, 34, 253-262.	1.2	32
2	Purification and characterization of cytosolic glycerol-3-phosphate dehydrogenase from skeletal muscle of jerboa ( <i>Jaculus orientalis</i> ). Molecular and Cellular Biochemistry, 2002, 231, 117-127.	1.4	13
3	Glucose-6-phosphate dehydrogenase partitioning in two-phase aqueous mixed (nonionic/cationic) micellar systems. Biotechnology and Bioengineering, 2003, 82, 445-456.	1.7	44
4	Effect of Flow Rate Pattern on Glucose-6-phosphate Dehydrogenase Synthesis in Fed-Batch Culture of Recombinant <i>Saccharomyces cerevisiae</i> . Biotechnology Progress, 2003, 19, 320-324.	1.3	11
5	Purification of glucose 6-phosphate dehydrogenase from Buffalo ( <i>Bubalus bubalis</i> ) erythrocytes and investigation of some kinetic properties. Protein Expression and Purification, 2003, 29, 304-310.	0.6	31
6	PURIFICATION AND PROPERTIES OF GLUCOSE 6-PHOSPHATE DEHYDROGENASE FROM CORIANDER ( <i>CORIANDRUM SATIVUM</i> ) LEAVES. Journal of Food Biochemistry, 2004, 28, 155-168.	1.2	3
7	Purification and Characterization of Glucose-6-Phosphate Dehydrogenase from Rat Small Intestine. Protein Journal, 2004, 23, 317-324.	0.7	10
8	Purification and Kinetic Properties of 6-Phosphogluconate Dehydrogenase from Rat Small Intestine. Protein Journal, 2005, 24, 293-301.	0.7	11
9	TIGAR, a p53-Inducible Regulator of Glycolysis and Apoptosis. Cell, 2006, 126, 107-120.	13.5	1,717
10	Optimization of glucose-6-phosphate dehydrogenase releasing from <i>Candida guilliermondii</i> by disruption with glass beads. Enzyme and Microbial Technology, 2006, 39, 591-595.	1.6	17
11	Glucose-6-phosphate dehydrogenase and xylitol production by <i>Candida guilliermondii</i> FTI 20037 using statistical experimental design. Process Biochemistry, 2006, 41, 631-637.	1.8	18
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13	Purification and characterization of glucose 6-phosphate dehydrogenase from Lake Van fish ( <i>Chalcalburnus tarichii pallas, 1811</i> ) liver. Journal of Physiology and Biochemistry, 2006, 62, 155-161.	1.3	4
14	New combined kinetic and thermodynamic approach to model glucose-6-phosphate dehydrogenase activity and stability. Enzyme and Microbial Technology, 2007, 40, 849-858.	1.6	20
15	Irreversible inhibition of glucose-6-phosphate dehydrogenase by the coenzyme A conjugate of ketoprofen: A key to oxidative stress induced by non-steroidal anti-inflammatory drugs?. Biochemical Pharmacology, 2007, 73, 405-416.	2.0	34
16	Glucose 6-phosphate dehydrogenase from larval <i>Taenia crassiceps</i> ( <i>cysticerci</i> ): purification and properties. Parasitology Research, 2008, 102, 1351-1357.	0.6	16
17	Cloning and characterization of <i>CmGPD1</i> , the <i>Candida magnoliae</i> homologue of glycerol-3-phosphate dehydrogenase. FEMS Yeast Research, 2008, 8, 1324-1333.	1.1	12
18	Preferential utilization of NADPH as the endogenous electron donor for NAD(P)H:quinone oxidoreductase 1 (NQO1) in intact pulmonary arterial endothelial cells. Free Radical Biology and Medicine, 2009, 46, 25-32.	1.3	20

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19	Enzymatic AND-gate based on electrode-immobilized glucose-6-phosphate dehydrogenase: Towards digital biosensors and biochemical logic systems with low noise. <i>Biosensors and Bioelectronics</i> , 2009, 25, 695-701.	5.3	52
20	Realization and Properties of Biochemical-Computing Biocatalytic XOR Gate Based on Signal Change. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13601-13608.	1.2	52
21	Enzyme-Based Logic Analysis of Biomarkers at Physiological Concentrations: AND Gate with Double-Sigmoid "Filter" Response. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4457-4464.	1.2	48
22	Metabolic Flux-Based Modularity using Shortest Retroactive distances. <i>BMC Systems Biology</i> , 2012, 6, 155.	3.0	4
23	Regulation and properties of glucose-6-phosphate dehydrogenase: A review. <i>International Journal of Plant Physiology and Biochemistry</i> , 2012, 4, .	1.0	3
24	Purification and characterization of glucose 6-phosphate dehydrogenase from rainbow trout ( <i>Oncorhynchus mykiss</i> ) erythrocytes. <i>Veterinari Medicina</i> , 2004, 49, 327-333.	0.2	11
25	Purification and characterization of glucose 6-phosphate dehydrogenase (G6PD) from grass carp ( <i>Ctenopharyngodon idella</i> ) and inhibition effects of several metal ions on G6PD activity in vitro. <i>Fish Physiology and Biochemistry</i> , 2013, 39, 637-647.	0.9	27
26	Enzymatic AND Logic Gate with Sigmoid Response Induced by Photochemically Controlled Oxidation of the Output. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7559-7568.	1.2	46
27	Mn <sup>2+</sup> and Mg <sup>2+</sup> synergistically enhanced lactic acid production by <i>Lactobacillus rhamnosus</i> FTDC 8313 via affecting different stages of the hexose monophosphate pathway. <i>Journal of Applied Microbiology</i> , 2014, 116, 644-653.	1.4	14
28	Acute Activation of Oxidative Pentose Phosphate Pathway as First-Line Response to Oxidative Stress in Human Skin Cells. <i>Molecular Cell</i> , 2015, 59, 359-371.	4.5	294
29	What has passed is prolog: new cellular and physiological roles of G6PD. <i>Free Radical Research</i> , 2016, 50, 1047-1064.	1.5	48
30	Apollo-NADP <sup>+</sup> : a spectrally tunable family of genetically encoded sensors for NADP <sup>+</sup> . <i>Nature Methods</i> , 2016, 13, 352-358.	9.0	101
31	Purification and biochemical characterization of glucose 6-phosphate dehydrogenase, 6-phosphogluconate dehydrogenase and glutathione reductase from rat lung and inhibition effects of some antibiotics. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 1342-1348.	2.5	17
32	Hypoglycaemic role of wheatgrass and its effect on carbohydrate metabolic enzymes in type II diabetic rats. <i>Toxicology and Industrial Health</i> , 2016, 32, 1026-1032.	0.6	7
33	Control of the NADPH supply for oxidative stress handling in cancer cells. <i>Free Radical Biology and Medicine</i> , 2017, 112, 149-161.	1.3	39
34	Heteroexpression and biochemical characterization of a glucose-6-phosphate dehydrogenase from oleaginous yeast <i>Yarrowia lipolytica</i> . <i>Protein Expression and Purification</i> , 2018, 148, 1-8.	0.6	3
35	Mechanism(s) of action of heavy metals to investigate the regulation of plastidic glucose-6-phosphate dehydrogenase. <i>Scientific Reports</i> , 2018, 8, 13481.	1.6	8
36	ROS and pentose phosphate pathway: mathematical modelling of the metabolic regulation in response to xenobiotic-induced oxidative stress and the proposed impact of the gluconate shunt. <i>Free Radical Research</i> , 2019, 53, 979-992.	1.5	11

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38	Itaconate regulates the glycolysis/pentose phosphate pathway transition to maintain boar sperm linear motility by regulating redox homeostasis. <i>Free Radical Biology and Medicine</i> , 2020, 159, 44-53.	1.3	23
39	Therapeutic Potential of Metals in Managing the Metabolic Syndrome. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 119-148.	0.3	0
40	The furanosidic scaffold of <i>d</i> -ribose: a milestone for cell life. <i>Biochemical Society Transactions</i> , 2019, 47, 1931-1940.	1.6	7
41	THE EFFECT OF AL <sup>3+</sup> AND HG <sup>2+</sup> ON GLUCOSE 6-PHOSPHATE DEHYDROGENASE FROM CAPOETA UMBLA KIDNEY. <i>Applied Ecology and Environmental Research</i> , 2016, 14, 253-264.	0.2	39
42	Purification and Characterization of Glucose-6-Phosphate Dehydrogenase from Pigeon Pea ( <i>Cajanus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo 0.7 5	0.7	5
43	GAPDH redox rewiring pentose phosphate flux. <i>Nature Metabolism</i> , 0, , .	5.1	0