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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Glucose dehydrogenase, recombinant Microorganisms

Cat. No.:	HY-P3186
CAS No.:	9028-53-9
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Glucose dehydrogenase

BIOLOGICAL ACTIVITY

Description

Glucose dehydrogenase, recombinant Microorganisms is an oxidoreductase. Glucose dehydrogenase (GDH) catalyzes the oxidation of β -D-glucose to β -D-glucono-1,5-lactone with simultaneous reduction of the cofactor NADP^+ to NADPH or, to a lesser extent, NAD^+ to NADH. Glucose dehydrogenase (GDH) accepts both NAD^+ and NADP^+ as cofactors and can be used for the regeneration of NADH and NADPH^{[1][2]}.

REFERENCES

- [1]. Weckbecker, A., et al. Glucose Dehydrogenase for the Regeneration of NADPH and NADH. *Microbial Enzymes and Biotransformations*, 2005, 225-238.
- [2]. Ferri S, et al. Review of glucose oxidases and glucose dehydrogenases: a bird's eye view of glucose sensing enzymes. *J Diabetes Sci Technol*. 2011 Sep 1;5(5):1068-76.

Caution: Product has not been fully validated for medical applications. For research use only.

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