

Glycerol kinase from Microorganism

Product Code: 173641

EC: 2.7.1.30

SKU: 173641

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS

EC 2.7.1.30

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|--------------------|---|
| Product name: | ATP: Glycerol 3-phosphotransferase |
| Appearance: | White amorphous powder lyophilized |
| Activity: | Grade III, 30 U/mg-solid or more |
| Contaminants: | Catalase : $\leq 1.0 \times 10^{-1}$ %, NADH oxidase : $\leq 1.0 \times 10^{-3}$ % Adenosine triphosphate : $\leq 1.0 \times 10^{-3}$ % |
| Stability: | Stable at -20°C for at least 12 months |
| Molecular weight: | approx. 220,000 (by gel filtration) |
| Structure: | 4 subunits of approx 58,000 |
| Isoelectric point: | 4.3 |

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| Michaelis constants: (dihydroxiacetone) | 9.4×10^{-5} M (Glycerol), 1.3×10^{-5} M (ATP), 2.1×10^{-3} M |
| Inhibitors: | p-Chloromercuribenzoate, Hg ⁺⁺ , Ag ⁺ |
| Optimum pH: | 10.0 |
| Optimum temperature: | 70°C |
| pH Stability: | pH 5.5 - 10.0 (25°C, 20hr) |
| Thermal stability: | below 65°C (pH 7.5, 30min) |