

Glycerol kinase from Microorganism

Product Code: 173641

EC: 2.7.1.30

SKU: 173641

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS

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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

Michaelis constants: (dihydroxyacetone)	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)