

## **Glycerol kinase from Microorganism**

**Product Code:** 173641

**EC:** 2.7.1.30

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**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: 9.4×10<sup>-5</sup> M (Glycerol), 1.3×10<sup>-5</sup> M (ATP), 2.1×10<sup>-3</sup> M  
(dihydroxyacetone)

Inhibitors: p-Chloromercuribenzoate, Hg<sup>++</sup>, Ag<sup>+</sup>

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)