Creative Enzymes®

Hexokinase-1 from Human, Recombinant

Cat. No. NATE-0844

Lot. No. (See product label)

Introduction

Description	Recombinant Human Hexokinase 1 for advanced research on glucose metabolism and enzymatic activity. Perfect for biochemistry and molecular biology studies. Creative Enzymes delivers high-quality solutions.
Synonyms	hexokinase type IV glucokinase; hexokinase D; hexokinase type IV; hexokinase (phosphorylating); ATP-dependent hexokinase; glucose ATP phosphotransferase; hexokinase; ATP:D-hexose 6-phosphotransferase; EC 2.7.1.1; 9001-51-8

Product Information

Species	Human
Source	E. coli
Appearance	Sterile filtered colorless solution.
EC Number	EC 2.7.1.1
CAS No.	9001-51-8
Molecular Weight	104.6 kDa
Purity	Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Activity	7-8 units/ml
Buffer	The protein (1mg/ml) contains 20mM Tris pH8.0 and 10% glycerol.
Unit Definition	One unit will produce 1.0 umole of NADPH per minute as glucose is phosphorylated by ATP at pH 7.4 at 30°C.

Storage and Shipping Information

Stability	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.