

## 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.