

## Hexokinase-2 from Human, Recombinant

Cat. No. NATE-0845

Lot. No. (See product label)

### Introduction

#### Description

Recombinant Human Hexokinase 2 for research on glucose metabolism and enzymatic mechanisms. Ideal for biochemistry and metabolic studies. Creative Enzymes delivers trusted, high-purity products.

#### 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

104.1 kDa

#### Purity

Greater than 90.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

#### Activity

3-4 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.