Creative Enzymes®

Native Rabbit Glucose-6-Phosphatase

Cat. No. NATE-0269

Lot. No. (See product label)

Introduction

Description	Glucose 6-phosphatase (EC 3.1.3.9, G6Pase) is an enzyme that hydrolyzes glucose-6-phosphate, resulting in the creation of a phosphate group and free glucose. Glucose is then exported from the cell via glucose transporter membrane proteins. This catalysis completes the final step in gluconeogenesis and glycogenolysis and therefore plays a key role in the homeostatic regulation of blood glucose levels.
Applications	Glucose-6-Phosphatase was used to study the effects of Clausena anisata (Wild hook leaf) extracts on selected diabetes-related metabolizing enzymes.
Synonyms	EC 3.1.3.9; glucose 6-phosphate phosphatase; G6Pase; 9001-39-2; glucose-6-phosphatase

Product Information

Species	Rabbit
Source	Rabbit liver
Form	powder with sucrose
EC Number	EC 3.1.3.9
CAS No.	9001-39-2
Purity	Protein ~30 % (balance mostly sucrose)
Activity	> 0.05 units/mg protein
Unit Definition	One unit will release 1.0 µmole of inorganic phosphate from glucose 6-phosphate per min at pH 6.5 at 37°C.

Storage and Shipping Information

Storage	−20°C