

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 μ mole of inorganic phosphate from glucose 6-phosphate per min at pH 6.5 at 37°C.

Storage and Shipping Information

Storage

-20°C