

## 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  $\mu$ mole of inorganic phosphate from glucose 6-phosphate per min at pH 6.5 at 37°C.

### Storage and Shipping Information

**Storage** -20°C