Creative Enzymes®

Recombinant Human Glucose-6-phosphatase

Cat. No. EXWM-3696

Lot. No. (See product label)

Introduction

Description	The enzyme glucose 6-phosphatase (EC 3.1.3.9, G6Pase; systematic name D-glucose-6-phosphate phosphohydrolase) catalyzes the hydrolysis of glucose 6-phosphate, resulting in the creation of a phosphate group and free glucose: D-glucose 6-phosphate + H2O = D-glucose + phosphate Glucose is then exported from the cell via glucose transporter membrane proteins. This catalysis completes the final step in gluconeogenesis and therefore plays a key role in the homeostatic regulation of blood glucose levels.

Product Information

Species	Human
Source	E.coli
Form	Liquid or Lyophilized powder
EC Number	EC 3.1.3.9
CAS No.	9001-39-2
Molecular Weight	40.5kDa
Purity	Greater than 85% as determined by SDS-PAGE.
Reaction	D-glucose 6-phosphate + H2O = D-glucose + phosphate
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.