

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 multiple use. Avoid repeated freeze-thaw cycles.