

# Human GFPT1 recombinant protein



Catalog Number: 502296

## General Information

### Gene Name Synonym

D-fructose-6-phosphate amidotransferase 1;  
Glutamine:fructose-6-phosphate amidotransferase 1;  
Hexosephosphate aminotransferase 1

### Protein Construction

The sequence corresponding to amino acids (Gln 332-Glu 699) of human GFAT (AAA58502.1) was expressed and purified with two amino acids (Gly & Pro) at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant human GFAT exists as a homotetramer protein. The GFAT monomer consists of 370 amino acids and predicts a molecular mass of 41.5 kDa as estimated in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4, 10% glycerol  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

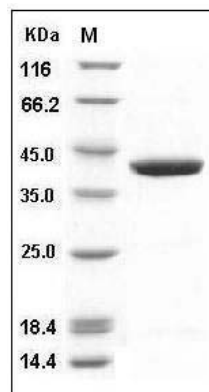
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human GFPT1 / GFAT Protein SDS-PAGE