

**Recombinant Human Fructose-1,6-Bisphosphatase 1/FBPase 1 Protein(C-6His)**

**Cat.NO.: TP04894**

3th Edition

**Synonyms:**Fructose-1;6-bisphosphatase 1;D-fructose-1;6-bisphosphate 1-phosphohydrolase 1;FBP;FBPase 1

**Description:**Fructose-1,6-bisphosphatase 1(FBP1) is a homotetramer protein and belongs to the FBPase class 1 family. It involves in carbohydrate biosynthesis; gluconeogenesis pathway. FBP1 is a gluconeogenesis regulatory protein which catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate. FBP1 deficiency is associated with hypoglycemia and metabolic acidosis. FBP1 regulates mouse endogenous glucose production. FBP1 coupled with phosphofructokinase (PFK) takes part in the metabolism of pancreatic islet cells.

**Form:**PBS

**Molecular Weight:**37.8 kDa

**Sequences:**Ala2-Gln338

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.