

32-9723: Recombinant Human Fructose-1,6-Bisphosphatase 1/FBPase 1 (C-6His)

Alternative Name : Fructose-1,6-bisphosphatase 1,D-fructose-1,6-bisphosphate 1-phosphohydrolase 1,FBP,FBPase 1

Description

Source : Human Cells;

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.

Product Info

Amount : 500 µg / 50 µg

Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,200mM NaCl,1mM DTT,10% Glycerol,pH 8.0.

Amino Acid : Recombinant Human FBPase 1 is produced by our Mammalian expression system and the target gene encoding Ala2-Gln338 is expressed with a 6His tag at the C-terminus.