Product Name: Recombinant Human FBPase1 (C-6His)
Catalog #: PHH0688

Summary

Name	Fructose-1,6-bisphosphatase 1/FBP1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Fructose-1,6-Bisphosphatase 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.
Accession #	P09467
Host	Human Cells
Species	Human
Predicted Molecular Mass	37.8 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 200mM NaCl, 1mM DTT, 1mMEDTA, 10% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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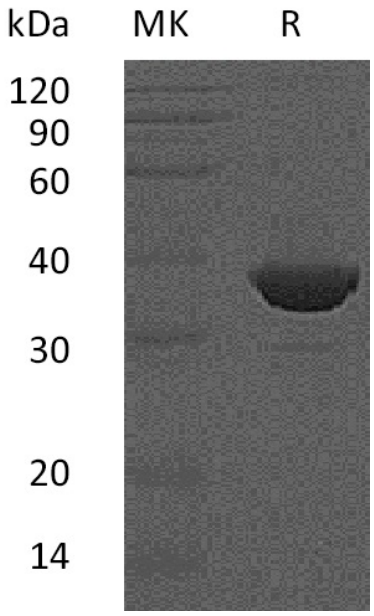

Alternative Names

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

Background

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.

Note

For Research Use Only , Not for Diagnostic Use.