Product Name: Recombinant Human FBPase1 (C-6His,E. coli)
Catalog #: PEH0625

Summary

Name	FBPase 1/FBP1/Fructose-1,6-bisphosphatase 1
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 E.coli expression system and the target gene encoding Ala2-Gln338 is expressed with a 6His tag at the C-terminus.
Accession #	P09467
Host	E.coli
Species	Human
Predicted Molecular Mass	37.89 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 200mM NaCl, 1mM DTT, 1mM EDTA, 20% 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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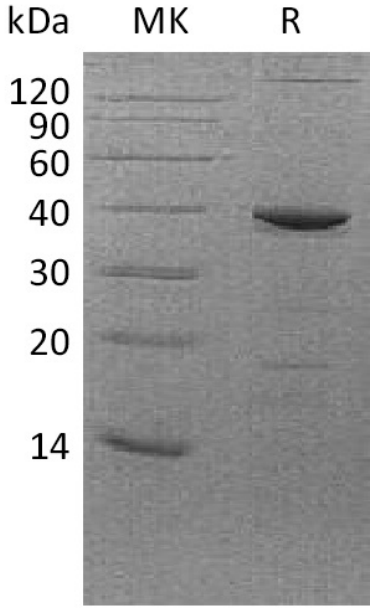

Alternative Names

Fructose-1; 6-Bisphosphatase 1; FBPase 1; D-Fructose-1; 6-Bisphosphate 1-Phosphohydrolase 1; FBP1; FBP

Background

Fructose-1,6-Bisphosphatase 1 (FBPase 1) is a member of the FBPase class 1 family. FBPase 1 is a gluconeogenesis regulatory protein, which catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate. FBPase 1 can assume an active R-state, or an inactive T-state. FBPase 1 deficiency is inherited as an autosomal recessive disorder mainly in the liver and causes life-threatening episodes of hypoglycemia and metabolic acidosis in newborn infants or young children. FBPase 1 coupled with phosphofructokinase (PFK) is involved in the metabolism of pancreatic islet cells.

Note

For Research Use Only , Not for Diagnostic Use.