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## Datasheet for ABIN7319229 FBP1 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	FBP1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FBP1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human FB Pase 1/FBP1 Protein (Human Cells, His Tag)
Sequence:	Ala2-Gln338
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	FBP1
Alternative Name:	FBPase 1/FBP1 ( <a href="#">FBP1 Products</a> )
Background:	Background: Fructose-1,6-bisphosphatase 1(FBP1) is a homotetramer protein and belongs to the FB Pase class 1 family. It involves in carbohydrate biosynthesis, gluconeogenesis pathway.

## Target Details

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.

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

Molecular Weight: 37.8 kDa

UniProt: [P09467](#)

Pathways: [Cellular Glucan Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#), [Dicarboxylic Acid Transport](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

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

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.