

Product datasheet for **TP727988**

FBP1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Fructose-1,6-Bisphosphatase 1/FBPase 1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala2-Gln338
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 200mM NaCl, 1mM DTT, 10% Glycerol, 1mMEDTA,pH 8.0.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	2203
UniProt ID:	P09467
Summary:	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.



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