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32-8007: Recombinant Human Fructose-1,6-Bisphosphatase 1/FBPase 1 (C-6His)(Discontinued)

Gene : FBP1
Gene ID : 2203
Uniprot ID : P09467

Description

Source: Human Cells.
MW :37.8kD.
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. 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 :	6His) / 50 μg
Content :	Supplied as a 0.2 μm filtered solution of 20mM TrisHCl,200mM NaCl,1mM DTT,10% Glycerol,pH 8.0.
Storage condition :	Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid :	ADQAPFDTDVNTLTRFVMEEGRKARGTGELTQLLNSLCTAVKAISSAVRKAGIAHLYGIAGSTNVTGDQVKKLD VLSNDLVMNMLKSSFATCVLVSEEDKHAIIVEPEKRGKYVVCFDPLDGSSNIDCLVSVGTIFGIYRKKSTDEPSEK DALQPGRNLVAAGYALYGSATMLVLAMDCGVNCFMLDPAIGEFILVDKDVKIKKKGKIYSLNEGYARDFDPAVT EYIQRKKFPPDNSAPYGARYVGSMVADVHRTLVYGGIFLYPANKKSPNGKLRLLYECNPMAYVMEKAGGMATT GKEAVLDVIPTDIHQRAPVILGSPDDVLEFLKVYEKHSAQVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âμg (1 IEU/Ã□Âμg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.