

Recombinant Human FBP1, His-tagged

Cat. No. FBP1-28810TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human FBP1 fused to His-tag at N-terminus; amino acids 1-338 , 39.0kDa.
Species	Human
Source	E.coli
ProteinLength	1-338 a.a.
Description	Fructose-1,6-bisphosphatase 1, a gluconeogenesis regulatory enzyme, catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate. Fructose-1,6-diphosphatase deficiency is associated with hypoglycemia and metabolic acidosis.
Conjugation	HIS
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids	FBP1-28810TH is purified using conventional chromatography techniques.
Sequence Similarities	Belongs to the FBPase class 1 family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	FBP1 fructose-1,6-bisphosphatase 1 [Homo sapiens]
Official Symbol	FBP1
Synonyms	FBP1; fructose-1,6-bisphosphatase 1; FBP;
Gene ID	2203
mRNA Refseq	NM_000507
Protein Refseq	NP_000498
MIM	611570
Uniprot ID	P09467
Chromosome Location	9q22.3
Pathway	Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Gluconeogenesis, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, organism-specific

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biosystem;

Function

AMP binding; fructose 1,6-bisphosphate 1-phosphatase activity; fructose 1,6-bisphosphate 1-phosphatase activity; fructose 1,6-bisphosphate 1-phosphatase activity; hydrolase activity;

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