

Recombinant Human FBP1 293 Cell Lysate

Cat. No. FBP1-6316HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for fructose-1,6-bisphosphatase 1 (FBP1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	FBP1 fructose-1,6-bisphosphatase 1 [Homo sapiens]
Official Symbol	FBP1
Synonyms	FBP1; fructose-1,6-bisphosphatase 1; FBP; FBPase 1; fructose-bisphosphatase 1; growth-inhibiting protein 17; D-fructose-1,6-bisphosphate 1-phosphohydrolase 1;
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 biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, conserved biosystem;

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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; metal ion binding; monosaccharide binding; monosaccharide binding; phosphoric ester hydrolase activity; protein binding;

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