

Fructose-1,6-Bisphosphatase 1 Recombinant Protein | FBP1 recombinant protein

Recombinant Human Fructose-1,6-Bisphosphatase 1

CATALOG #
AAA38758

HOST
Escherichia Coli.

PRODUCT SYNONYMS

Fructose-1; 6-Bisphosphatase 1; Recombinant Human Fructose-1; FBP1 Human; 6-Bisphosphatase 1 Human Recombinant; FBP1; FBP; D-fructose-1; 6-bisphosphate 1-phosphohydrolase 1; FB Pase 1; 6-bisphosphatase 1; FBP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Escherichia Coli.
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The FBP1 protein solution (1mg/mL) is formulated in 20mM Tris-HCl pH-8, 1mM DTT and 10% glycerol.
Sequence	<u>MGSSHHH HHHSSGLVPR GSHMAD QAPFDTDVNT LTRFVMEEGR KARGTGELTQ LLNSLCTAVK</u> <u>AISSAVRKAG IAHLYGIAGS TNVTGDQVKK LDVLSNDLVM NMLKSSFATC VLVSEEDKHA IIVEPEKRGK</u> <u>YVVCFDPLDG SSNIDCLVSV GTIFGIYRKK STDEPSEKDA LQPGRNLVAA GYALYGSATM LVLAMDCGVN</u> <u>CFMLDPAIGE FILVDKDVKI KKKGKIYSLN EGYARDFDPA VTEYIQRKKF PPDNSAPYGA RYVGSMVADV</u> <u>HRTL VYGGIF LYPANKKSPN GKLRLLYECN PMAYVMEKAG GMATTGKEAV LDVIPTDIHQ RAPVILGSPD</u> <u>DVLEFLKVYE KLSAQ</u>
Sequence Length	338
Physical Appearance	Sterile Filtered clear colorless solution.
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for FBP1 recombinant protein	Description: The FBP1 Human recombinant protein is a single, non-glycosilated polypeptide chain produced in E Coli, having a molecular weight of 39kDa and containing 358 amino acids (1-338 a.a.). The FBP1 enzyme is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatography techniques. Introduction: 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 Categories/Family for FBP1 recombinant protein	Enzymes ; Phosphatase

NCBI AND UNIPROT INFORMATION

NCBI GI #	16579888
NCBI GeneID	2203
NCBI Accession #	NP_000498.2
NCBI GenBank Nucleotide #	NM_000507.3

UniProt Accession #	P09467 ; O75571 ; Q53F94 ; Q96E46
NCBI Official Full Name	fructose-1,6-bisphosphatase 1
NCBI Official Synonym Full Names	fructose-1,6-bisphosphatase 1
NCBI Official Symbol	FBP1
NCBI Official Synonym Symbols	FBP
NCBI Protein Information	fructose-1,6-bisphosphatase 1; D-fructose-1,6-bisphosphate 1-phosphohydrolase 1; FBPase 1; fructose-bisphosphatase 1; growth-inhibiting protein 17; liver FBPase
UniProt Protein Name	Fructose-1,6-bisphosphatase 1
UniProt Gene Name	FBP1
UniProt Synonym Gene Names	FBP; FBPase 1
UniProt Entry Name	F16P1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fbp1-recombinant-protein-escherichia-coli/38758>