

FBP1 recombinant protein

FBP1, 1-338aa, Human, His tag, E Coli

CATALOG # AAA48612	HOST E Coli	APPLICATIONS SDS-Page
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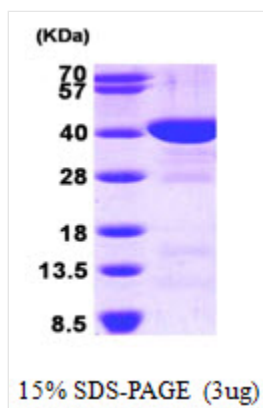
PRODUCT SYNONYMS

FBP1; 1-338aa; Human; His tag; E Coli; FBPase1; FBP; D fructose 1 6 bisphosphate 1 phosphohydrolase 1; EC 3.1.3.11; FBP 1; FBPase 1; Fructose 1 6 bisphosphatase 1 Fructose bisphosphatase 1; Growth inhibiting protein 17; Liver fructose bisphosphatase.; FBP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MADQAPFD TDVNTLTRFV MEEGRKARGT GELTQLLSL CTAVKAISSA VRKAGIAHLY GIAGSTNVTG DQVKKLDVLS NDLVMNMLKS SFATCVLSE EDKHAIIEP EKRGKYVVCF DPLDGSSNID CLVSVGTIFG IYRKKSTDEP SEKDALQPGR NLVAAGYALY GSATMLVLAM DCGVNCFMLD PAIGEFILVD KDVKIKKKGK IYSLNEGYAR DFDPAVTEYI QRKKFPPDNS APYGARYVGS MVADVHRTL V YGGIFLYPAN KKSPNGKRLRL LYECNPMAYV MEKAGGMATT GKEAVLDVIP TDIHQRAPVI LGSPDDVLEF LKVYEKHSQA
Sequence Length	338
Applicable Applications for FBP1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Domain	1-338aa
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FBP1 recombinant protein	Fructose-1,6-bisphosphatase 1 (FBP1) is 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. Recombinant FBP1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for FBP1 recombinant protein	Metabolism
References	Rabenhorst u., et al. (2009) Hepatology. 50 (4):1121-9. ; Hirota K., et al. (2008) Nature. 456 (7218):130-4.;

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
Molecular Weight	39.0 kDa (358aa), confirmed by MALDI-TOF.
NCBI Official Full Name	fructose-1,6-bisphosphatase 1
NCBI Official Synonym Full Names	fructose-bisphosphatase 1
NCBI Official Symbol	FBP1
NCBI Official Synonym Symbols	FBP
NCBI Protein Information	fructose-1,6-bisphosphatase 1
UniProt Protein Name	Fructose-1,6-bisphosphatase 1
UniProt Gene Name	FBP1
UniProt Synonym Gene Names	FBP; FBPase 1

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.