

# Recombinant Human fructose-1,6-bisphosphatase 2, His-tagged

**Cat. No.** FBP2-369H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	FBP2, 1-339 aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-339 a.a.
<b>Description</b>	FBP2 belongs to the FBPase class 1 family. The protein is a gluconeogenesis regulatory enzyme which catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate. Recombinant human FBP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
<b>Molecular Mass</b>	39 kDa (362aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMTDRSPF ETDMLTLTRY VMEKGRQAKG TGELTQLLNS MLTAIKAISS AVRKAGLAHL YGIAGSVNVT GDEVKKLDVL SNSLVINMVQ SSYSTCVLVS EENKDAIITA KEKRGKYVVC FDPLDGSSNI DCLASIGTIF AIYRKTSSEDE PSEKDALQCG RNIVAAGYAL YGSATLVALS TGQGVDFML DPALGEFVLV EKDVKIKKKG KIYSLNEGYA KYFDAATTEY

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VQKKKFPEDG SAPYGARYVG SMVADVHRTL VYGGIFLYPA NQKSPKGKLR  
 LLYECNPVAY IIEQAGGLAT TGTQPVLVDVK PEAIHQRVPL ILGSPEDVQE  
 YLTCVQKNQA GS

**Purity** >90% by SDS - PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [FBP2 fructose-1,6-bisphosphatase 2 \[ Homo sapiens \]](#)

**Official Symbol** FBP2

**Synonyms** FBP2; fructose-1,6-bisphosphatase 2; fructose-1,6-bisphosphatase isozyme 2; FBPase 2; hexosediphosphatase; muscle fructose-bisphosphatase; D-fructose-1,6-bisphosphate 1-phosphohydrolase 2; MGC142192;

**Gene ID** [8789](#)

**mRNA Refseq** [NM\\_003837](#)

**Protein Refseq** [NP\\_003828](#)

**MIM** [603027](#)

**UniProt ID** [O00757](#)

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<b>Chromosome Location</b>	9q22.3
<b>Pathway</b>	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;
<b>Function</b>	fructose 1,6-bisphosphate 1-phosphatase activity; fructose-2,6-bisphosphate 2-phosphatase activity; hydrolase activity; metal ion binding; phosphoric ester hydrolase activity;

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