

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

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

SPECIFICATION

Product Overview	FBP2, 1-339 aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-339 a.a.
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	39 kDa (362aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMTDRSPF ETDMLTLTRY VMEKGRQAKG TGELTQLLNS MLTAIKAISS AVRKAGLAHL YGIAGSVNVT GDEVKKLDVL SNSLVINMVQ SSYSTCVLVS EENKDAITA KEKRGKYVVC FDPLDGSSNI DCLASIGTIF AIYRKTSIDE PSEKDALQCG RNIVAAGYAL YGSATLVALS TGQGVDFLML DPALGEFVLV EKDVKIKKKG KIYSLNEGYA KYFDAATTEY

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VQKKKFPEDG SAPYGARYVG SMVADVHRTL VYGGIFLYPA NQKSPKGKLR
 LLYECNPVAY IIEQAGGLAT TGTQPVLDVK 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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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;
Function	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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