

FBP2, human recombinant

CATALOG #:	7804-100	100 µg
ALTERNATE NAMES:	Fructose-1, 6-bisphosphatase isozyme 2.	
SOURCE:	E. Coli	
PURITY:	> 90% by SDS - PAGE	
MOL. WEIGHT:	39.0 kDa (362 aa, 1-339 aa + His Tag)	
FORM:	Liquid	
FORMULATION:	1 mg/ml solution 20 mM Tris-HCl buffer, pH 8.0, 10% glycerol, 0.15 M NaCl and 1 mM DTT.	

STORAGE CONDITIONS:

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

DESCRIPTION:

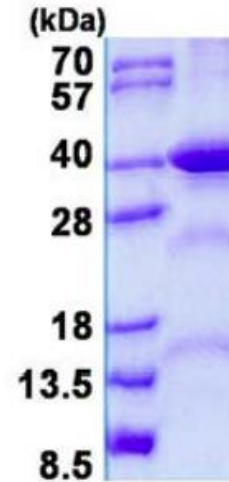
FBP2 belongs to the FBPase class 1 family. The protein is a gluconeogenesis regulatory enzyme which catalyzes the hydrolysis of fructose 1, 6-bisphosphate to fructose 6-phosphate and inorganic phosphate. Recombinant human FBP2 protein, fused to His-tag at N-terminus, was expressed in E.Coli and purified by using conventional chromatography techniques.

AMINO ACID SEQUENCE:

MGSSHHHHH SSGLVPRGSH MGSMTDRSPF ETDMTLTRY VMEKGRQAKG
 TGELTQLLNS MLTAIKAISS AVRKAGLAHL YGIAGSVNVT GDEVKLDVL SNSLVINMVQ
 SSYSTCVLVS EENKDAIITA KEKRGKYVVC FDPLDGSSNI DCLASIGTIF AIYRKTSEDE
 PSEKDALQCG RNIVAAGYAL YGSATLVALS TGQGVDLFML DPALGEFVLV EKDVKIKKKG
 KIYSLNEGVA KYFDAATTEY VQKKKFPEDG SAPYGARYVG SMVADVHRTL VYGGIFLYPA
 NQKSPKGKLR LLYECNPVAY IIEQAGGLAT TGTQPVLDVK PEAIHQRVPL ILGSPEDVQE
 YLTCVQKNQA GS

BIOLOGICAL ACTIVITY:

Specific activity is > 0.16 unit/ml, in which one unit will convert 1.0 µmole of fructose 1, 6-diphosphate to fructose 6-phosphate and inorganic phosphate per minute at pH 9.5 at 25°C



15% SDS-PAGE (3µg)

Human Recombinant FBP2

RELATED PRODUCTS:

- FBP1, human recombinant (Cat. No. 7803-100)
- Fructose Colorimetric/Fluorometric Assay Kit (Cat. No. K619-100)
- PicoProbe™ Fructose Fluorometric Assay Kit (Cat. No. K611-100)
- PicoProbe™ Fructose-6-Phosphate Fluorometric Assay Kit (Cat. No.K689-100)

FOR RESEARCH USE ONLY! Not to be used in humans.

