10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FBP2, human recombinant protein
Fructose-1, 6-bisphosphatase isozyme 2.
Catalog # PBV11363r

Specification

FBP2, human recombinant protein - Product info

Primary Accession	O00757
Concentration	1
Calculated MW	39.0 kDa (362 aa, 1-339 aa + His Tag) KDa

FBP2, human recombinant protein - Additional Info

Gene ID	8789
Gene Symbol	FBP2

Other Names
Fructose-1, 6-bisphosphatase isozyme 2.

Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity is > 0.16 unit/ml
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMTDRSPF ETDMLTLTRY VMEKGRQAKG TGELTQLLNS MLTAIKAISS AVRKAGLAHL YGIAGSVNVT GDEVKKLDVL SNSLVINMVQ SSYSTCVLVS EENKDAIITA KEKRGKYVVC FDPLDGSSNI DCLASIGTIF AIYRKTSEDE PSEKDALQCG RNIVAAGYAL YGSATLVALS TGQGVDLFML DPALGEFVLV EKDVKIKKKG KIYSLNEGYA KYFDAATTEY VQKKKFPEDG SAPYGARYVG SMVADVHRTL VYGGIFLYPA NQKSPKGKLR LLYECNPVAY IIEQAGGLAT TGTQPVLDVK PEAIHQRVPL ILGSPEDVQE YLTCVQKNQA GS

Target/Specificity
FBP2

Format
Liquid

Storage
-20°C; 1 mg/ml solution 20 mM Tris-HCl buffer, pH 8.0, 10% glycerol, 0.15 M NaCl and 1 mM DTT.

FBP2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

FBP2, human recombinant protein - Images

FBP2, human recombinant protein - Background

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.

FBP2, human recombinant protein - References

Tillman H.,et al.Gene 212:295-304(1998).
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Humphray S.J.,et al.Nature 429:369-374(2004).
Gizak A.,et al.Histol. Histopathol. 18:135-142(2003).
Rakus D.,et al.FEBS Lett. 579:5577-5581(2005).