

**FBP1, human recombinant protein**  
**Fructose-1,6-bisphosphatase 1, FBPase1, FBP, FBP1**  
**Catalog # PBV11362r****Specification****FBP1, human recombinant protein - Product info**

|                   |                                           |
|-------------------|-------------------------------------------|
| Primary Accession | <a href="#">P09467</a>                    |
| Concentration     | 1                                         |
| Calculated MW     | 39.0 kDa (358 aa, 1-338 aa + His Tag) KDa |

**FBP1, human recombinant protein - Additional Info**

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                                            | 2203                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Symbol                                        | FBP1                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Other Names</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Fructose-1, 6-bisphosphatase 1, FBPase1, FBP, FBP1 |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Source                                        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source                                             | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Assay&Purity                                       | SDS-PAGE; ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Assay2&Purity2                                     | N/A;                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Recombinant                                        | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Results                                            | Specific activity is > 0.30 unit/ml                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence                                           | MGSSHHHHHH SSGLVPRGSH MADQAPFDTD<br>VNTLTRFVME EGRKARGTGE LTQLLSLCT<br>AVKAISSAVR KAGIAHLYGI AGSTNVTGDQ<br>VKKLDVLSND LVMNMLKSSF ATCVLVSEED<br>KHAIIVEPEK RGKYVVC FDP LDGSSNIDCL<br>VSVGTFIGIY RKKSTDEPSE KDALQPGRNL<br>VAAGYALYGS ATMLVLAMDC GVNCFMLDPA<br>IGEFILVDKD VKIKKKGKIY SLNEGYARDF<br>DPAVTEYIQR KKFPPDNSAP YGARYVGSMV<br>ADVHRTLVIY GIFLYPANKK SPNGKLRLLY<br>ECNPMAYVME KAGGMATTGK EAVLDVIPTD<br>IHQRAPVILG SPDDVLEFLK VYEKHSQA |

**Target/Specificity**  
FBP1**Format**  
Liquid**Storage**  
-20°C; 1 mg/ml solution 20 mM Tris-HCl buffer, pH 8.0, 10% glycerol and 1 mM DTT.**FBP1, 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 Cytometry](#)
- [Cell Culture](#)

#### **FBP1, human recombinant protein - Images**

#### **FBP1, human recombinant protein - Background**

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.

#### **FBP1, human recombinant protein - References**

Solomon D.H.,et al.Proc. Natl. Acad. Sci. U.S.A. 85:6904-6908(1988).  
El-Maghrabi M.R.,et al.J. Biol. Chem. 268:9466-9472(1993).  
Kikawa Y.,et al.Biochem. Biophys. Res. Commun. 199:687-693(1994).  
El-Maghrabi M.R.,et al.Genomics 27:520-525(1995).  
Skalecki K.,et al.Arch. Biochem. Biophys. 365:1-9(1999).