

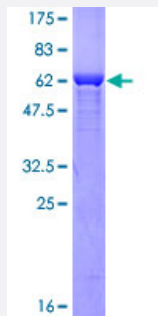
Full-Length

## FBP1 (Human) Recombinant Protein (P01)

Catalog # H00002203-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human FBP1 full-length ORF ( AAH12927.1, 1 a.a. - 338 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MADQAPFDTDVNTLTRFVMEEGRKARGTGELTQLLSLCTAVKAISSAVRKAGIAHLYGIAGSTNV  
TGDQVKKLDVLSNDLVMNMLKSSFATCVLVSEEDKHAIPEPEKRGKYVVCDFPLDGSSNIDCLV  
SVGTIFGYRKKSTDEPSEKDALQPGRNLVAAGYALYGSATMLVLAMDCGVNCFMLDPAIGEFILV  
DKDVKIKKKGKIYSLNEGYARDFDPAVTEYQRKKFPPDNSAPYGARYVGSMVADVHRTL VYGGIF  
LYPANKKSPNGKLRLLYECNPMAYVMEKAGGMATTGKEAVLDVIPTDIHQRAPVILGSPDDVLEFL  
KVYEKHSQAQ

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

62.92

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

#### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — FBP1

|                     |                                                                                                                                                                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">2203</a>                                                                                                                                                                                                                                                                           |
| GeneBank Accession# | <a href="#">BC012927</a>                                                                                                                                                                                                                                                                       |
| Protein Accession#  | <a href="#">AAH12927.1</a>                                                                                                                                                                                                                                                                     |
| Gene Name           | FBP1                                                                                                                                                                                                                                                                                           |
| Gene Alias          | FBP                                                                                                                                                                                                                                                                                            |
| Gene Description    | fructose-1,6-bisphosphatase 1                                                                                                                                                                                                                                                                  |
| Omim ID             | <a href="#">229700 611570</a>                                                                                                                                                                                                                                                                  |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                      |
| Gene Summary        | Fructose-1,6-bisphosphatase 1, a gluconeogenesis regulatory enzyme, catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate. Fructose-1,6-bisphosphatase deficiency is associated with hypoglycemia and metabolic acidosis. [provided by RefSeq] |
| Other Designations  | OTTHUMP00000021694 fructose-bisphosphatase 1 growth-inhibiting protein 17                                                                                                                                                                                                                      |

## Pathway

- [Biosynthesis of phenylpropanoids](#)
- [Carbon fixation in photosynthetic organisms](#)

- [Fructose and mannose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Insulin signaling pathway](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)

## Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Tooth Abnormalities](#)