

Bioactive

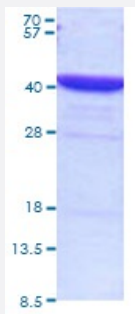
Full-Length

FBP1 (Human) Recombinant Protein

Catalog # P6799

Size 20 ug

Applications



15% SDS-PAGE Stained with Coomassie Blue.

Specification

Product Description	Human FBP1 (NP_000498.2, 1 a.a. - 338 a.a.) full length recombinant protein with His tag expressed in <i>Escherichia coli</i> .
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	39
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 90% by SDS-PAGE
Activity	Specific activity is > 7,000 pmol/min/ug obtained by measuring the increase of NADPH in absorbance at 340 nm resulting from the reduction of NADP. One unit will oxidize 1.0 pmole of fructose 1,6 diphosphate to fructose 6-phosphate and inorganic phosphate per minute at pH 9.5 at 37°C.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue 15% SDS-PAGE Stained with Coomassie Blue.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl, 1 mM DTT, pH 8.0 (10% glycerol)

Storage Instruction

Store at -20°C. For long term storage store at -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — FBP1

Entrez GeneID	2203
Protein Accession#	P09467
Gene Name	FBP1
Gene Alias	FBP
Gene Description	fructose-1,6-bisphosphatase 1
Omim ID	229700 611570
Gene Ontology	Hyperlink
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](#)