

## Product datasheet for **AR09291PU-L**

### FBP1 (1-338, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	FBP1 (1-338, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MADQAPFDTD VNTLTRFVME EGRKARGTGE LTQLLNSLCT AVKAISSAVR KAGIAHLYGI AGSTNVTGDQ VKKLDVLSND LVMNMLKSSF ATCVLVSEED KHAIIVEPEK RGKYVVC FDP LDGSSNIDCL VSVGTFIGYI RKKSTDEPSE KDALQPGRNL VAAGYALYGS ATMLVLAMDC GVNCFMLDPA IGEFILVDKD VKIKKKGKIY SLNEGYARDF DPAVTEYIQR KKFPDNSAP YGARYV GSMV ADVHRTLVIY G GIFLYPANKK SPNGKLRLLY ECNPMAYVME KAGGMATTGK EAVLDVIPTD IHQRAPVILG SPDDVLEFLK VYEKLSAQ
Tag:	His-tag
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant FBP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_000498</u>
Locus ID:	2203
UniProt ID:	<u>P09467</u>
Cytogenetics:	9q22.32
Synonyms:	FBP



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**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-diphosphatase deficiency is associated with hypoglycemia and metabolic acidosis. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:** Fructose and mannose metabolism, Glycolysis / Gluconeogenesis, Insulin signaling pathway, Metabolic pathways, Pentose phosphate pathway

**Product images:**

