

# Human FBP1 Recombinant Protein



RPPB1634

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## Product Information    Protein Information

**Product SKU:**

RPPB1634

**Accession:**

P09467

**Host:**

Escherichia Coli.

**Protein description:**

FBP1 Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 358 amino acids (1-338) and having a molecular mass of 39.0 kDa. FBP1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Fructose-1,6-bisphosphatase 1, FBPase 1, D-fructose-1,6-bisphosphate 1-phosphohydrolase 1, Liver FBPase, FBP1, FBP.

**Formulation:**

FBP1 protein solution (1mg/ml) contains 1mM DTT, 10% glycerol and 20mM Tris-HCl buffer (pH 8.0).

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MADQAPFDTD VNTLTRFVME EGRKARGTGE LTQLLNSLCT AVKAISSAVR  
KAGIAHLYGI AGSTNVTGDQ VKKLDVLSND LVMNMLKSSF ATCVLVSEED KHAIIVEPEK RGKYVVC FDP  
LDGSSNIDCL VSVGTFIGIY RKKSTDEPSE KDALQPGRNL VAAGYALYGS ATMLVLAMDC GVNCFMLDPA  
IGEFILVDKD VKIKKKGKIY SLNEGYARDF DPAVTEYIQR KKFPPDNSAP YGARYVGSMV ADVHRTLVIY  
GIFLYPANKK SPNGKLRLLY ECNPMAYVME KAGGMATTGK EAVLDVIPTD IHQRAPVILG SPDDVLEFLK  
VYEKHSQA

**Biological Activity:**

Specific activity is > 7,000pmol/min/ug, and is determined by measuring the increase of NADPH in absorbance at 340 nm resulting from the reduction of NADP. 1 unit oxidizes 1.0pmole of fructose 1,6 diphosphate to fructose 6- phosphate and inorganic phosphate per minute at pH 9.5 at 37°C.