

## FBP2 Human

**Description:** FBP2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 362 amino acids (1-339) and having a molecular mass of 39kDa. FBP2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:ENPS-674

For research use only.

**Synonyms:** Fructose-1,6-bisphosphatase isozyme 2, Fructose-1,6-bisphosphatase isozyme 2, FBPase 2, D-fructose-1,6-bisphosphate 1-phosphohydrolase 2, FBP2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MGSMTDRSPF ETDMLTLTRY  
VMEKGRQAKG TGELTQLLNS MLTAIKAISS AVRKAGLAHL YGIAGSVNVT GDEVKKLDVL  
SNSLVINMVQ SSYSTCVLVS EENKDAITA KEKRGKYVVC FDPLDGSSNI DCLASIGTIF  
AIYRKTSIDE PSEKDALQCG RNIVAAGYAL YGSATLVALS TGQGVDLFML DPALGEFVLV  
EKDVKIKKKG KI

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

The FBP2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Fructose-1,6-bisphosphatase isozyme 2 (FBP2) is a part of the FBPase class 1 family. FBP2 is a gluconeogenesis regulatory enzyme Which catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate.

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