

# Recombinant human FBP2 protein

Catalog Number: ATGP1808

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-339aa

### UniProt No.

O00757

### NCBI Accession No.

NP\_003828

### Alternative Names

Fructose-16-bisphosphatase isozyme 2, Fructose-1,6-bisphosphatase isozyme 2,

## PRODUCT SPECIFICATION

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### Molecular Weight

39 kDa (362aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

FBP2 belongs to the FB Pase class 1 family. The protein is a gluconeogenesis regulatory enzyme which catalyzes the hydrolysis of fructose 1, 6-bisphosphate to fructose 6-phosphate and inorganic phosphate. Recombinant human FBP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMTDRSPF ETDMLTLTRY VMEKGRQAKG TGELTQLLNS MLTAIKAISS AVRKAGLAHL

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YGIAGSVNVT GDEVKKLDVL SNSLVINMVQ SSYSTCVLVS EENKDAITA KEKRGKYVVC FDPLDGSSNI DCLASIGTIF  
AIYRKTSEDE PSEKDALQCG RNIVAAGYAL YGSATLVALS TGQGVDLFML DPALGEFVLV EKDVKIKKKKGI KIYSLNEGYA  
KYFDAATTEY VQKKKFPEDG SAPYGARYVG SMVADVHRTL VYGGIFLYPA NQKSPKGKLR LLYECNPVAY IIEQAGGLAT  
TGTQPVLDVK PEAIHQRVPL ILGSPEDVQE YLTCVQKNQA GS

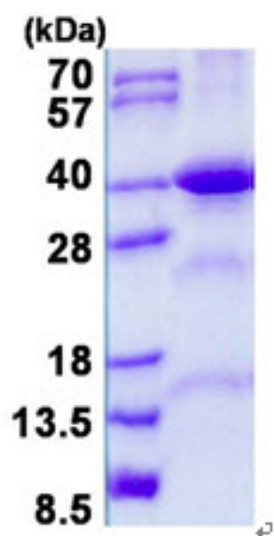
### General References

Gizak A, Maciaszczyk E, et al. (2008). *Proteins*. 72(1):209-16.

Rakus D, Maciaszczyk E, et al. (2005). *FEBS Lett*. 579(25):5577-81.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)