Recombinant human FBP2 protein

Catalog Number: ATGP3235

PRODUCT INFORMATION

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

Molecular Weight
39.0 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

Biological Activity
Specific activity is > 1,500pmol/min/ug obtained by measuring the increase of NADPH in absorbance at 340 nm resulting from the reduction of NADP. One unit will oxidize 1.0pmole of fructose 1,6 diphosphate to fructose 6-phosphate and inorganic phosphate per minute at pH 9.5 at 37C.

Tag
His-Tag

Application
SDS-PAGE, Enzyme Activity

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

Description
FBP2 belongs to the FBPase 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

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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

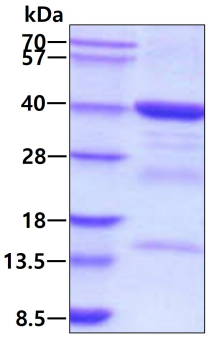
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General References

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.