Recombinant human FBP2 protein

Catalog Number: ATGP1808

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 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

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 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 SSGLVPRGSH MGS>MTDRSPF ETDMLTLTRY VMEKGRQAKG TGELTQLLNS MLTAIKAISS

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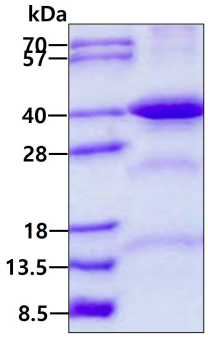
AVRKAGLAHL YGIAGSVNVT GDEVKKLDVL SNSLVINMVQ SSYSTCVLVS EENKDAIITA KEKRGKYVVC FDPLDGSSNI DCLASIGTIF AIYRKTSEDE PSEKDALQCG RNIVAAGYAL YGSATLVALS TGQGVDLFML DPALGEFVLV EKDVKIKKKG KIYSLNEGYA KYFDAATTEY VQKKKFPEDG SAPYGARYVG SMVADVHRTL VYGGIFLYPA NQKSPKGKLR LLYECNPVAY IIEQAGGLAT TGTQPVLDVK PEAIHQRVPL ILGSPEDVQE 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.