

Recombinant human FUBP1 protein

Catalog Number: ATGP1587

PRODUCT INFORMATION

Expression system

E.coli

Domain

279-448aa

UniProt No.

Q96AE4

NCBI Accession No.

NP_003893.2

Alternative Names

Far upstream element (FuSE) binding protein 1, FBP, FuBP

PRODUCT SPECIFICATION

Molecular Weight

20.8 kDa (195aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by BCA assay)

Formulation

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

Purity

> 85% 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

FUBP1 is a ssDNA binding protein that activates the far upstream element (FUSE) of c-myc and stimulates expression of c-myc in undifferentiated cells. Regulation of FUSE by FUBP occurs through single-strand binding of FUBP to the non-coding strand. This protein has been shown to function as an ATP-dependent DNA helicase. Recombinant human FUBP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSHM>DVPIP RFAVGIVIGR NGEMIKKIQN DAGVRIQFKP DDGTTPERIA
QITGPPDRCQ HAAEIITDLL RSVQAGNPGG PGPGGRGRGR GQGNWNMGPP GGLQEFNFIV PTGKTGLIIG KGGETIKSIS
QQSGARIELQ RNPPPNADPN MKLFTIRGTP QQIDYARQLI EEKIG

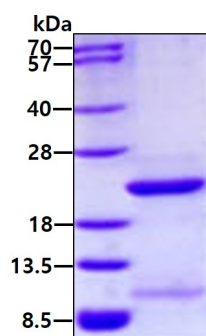
General References

Zheng,Y., et al. (2011) Int. J. Biochem. Cell Biol. 43 (11), 1641-1648

Neubauer,A., et al. (2011) Exp. Hematol. 39 (10), 1030-1042.

DATA

SDS-PAGE



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