

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

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

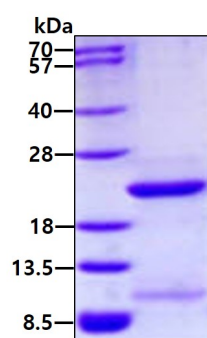
General References

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



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