## **PRODUCT INFORMATION**

Expression system E.coli

**Domain** 1-202aa

**UniProt No.** Q9NVP2

NCBI Accession No. NP\_060624.1

Alternative Names ASF1 anti-silencing function 1 homolog B (S.cerevisiae), CIA-II

# **PRODUCT SPECIFICATION**

**Molecular Weight** 23.4 kDa (210aa) confirmed by MALDI-TOF

**Concentration** 1mg/ml (determined by Bradford assay)

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

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

ASF1B is a member of the H3/H4 family of histone chaperone proteins and is similar to the anti-silencing function-1 protein in yeast. This protein is the substrate of the tousled-like kinase family of cell cycle-regulated kinases, and may play a key role in modulating the nucleosome structure of chromatin by ensuring a constant supply of histones at sites of nucleosome assembly. Recombinant human ASF1B protein, fused to His-tag at C-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



#### **Amino acid Sequence**

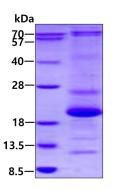
MAKVSVLNVA VLENPSPFHS PFRFEISFEC SEALADDLEW KIIYVGSAES EEFDQILDSV LVGPVPAGRH MFVFQADAPN PSLIPETDAV GVTVVLITCT YHGQEFIRVG YYVNNEYLNP ELRENPPMKP DFSQLQRNIL ASNPRVTRFH INWDNNMDRL EAIETQDPSL GCGLPLNCTP IKGLGLPGCI PGLLPENSMD CILE<HHHHHH>

#### **General References**

Corpet,A., et al. (2011) EMBO J. 30 (3), 480-493 Jasencakova,Z., et al. (2010) Mol. Cell 37 (5), 736-743

## DATA

#### SDS-PAGE



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