

Human ASF1B Protein (His Tag)

Catalog Number: 14382-H08B



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

ASF1B

Protein Construction:

A DNA sequence encoding the human ASF1B (Q9NVP2) (Met 1-Ile202) was expressed with a C-terminal polyhistidine tag.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The secreted recombinant human ASF1B consists of 212 amino acids and predicts a molecular mass of 23.8 KDa. The apparent molecular mass of the protein is approximately 20 Kda in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

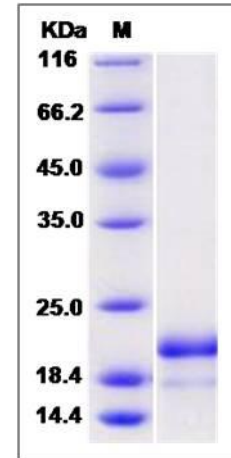
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

ASF1B is a member of the ASF1 family. It is a histone chaperone protein and highly expressed in testis while at lower levels in colon, small intestine and thymus. ASF1B may play a key role in modulating the nucleosome structure of chromatin by ensuring a constant supply of histones at sites of nucleosome assembly. It facilitates histone deposition and histone exchange and removal during nucleosome assembly and disassembly. ASF1B interacts with histone H3 and histone H4. It is required for spermatogenesis. ASF1B also is the substrate of the tousel-like kinase family of cell cycle-regulated kinases.

References

1. Sen SP. et al., 2006, BMC Mol Biol. 7: 37.
2. Groth A. et al., 2005, Mol Cell. 17 (2): 301-11.
3. Wei H. et al., 2005, Nat Biotechnol. 22 (6): 707-16.

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