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## Product Data Sheet

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Product Name: ASF1B Human  
 Cat. No.: GP22788  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Histone chaperone ASF1B; Anti-silencing function protein 1 homolog B; hAsf1; hAsf1b; CCG1-interacting factor A-II; CIA-II; hCIA-II; ASF1B.		
Amino Acid Sequence	MAKVSVLNVA VLENPSPFHS PFRFEISFEC SEALADDLEW KIIYVGSAAE EEFDQILDSV LVGPVPAGRH MFVFQADAPN PSLIPETDAV GVTVVLITCT YHGQEFIRVG YYVNNEYLNP ELRENPPMKP DFSQLQRNII ASNPRVTRFH INWDNNMDRL EAIETQDPSL GCGLPLNCTPIKGLGLPGCI PGLLPENSMD CILEHHHHHH.		
Formulation	ASF1B protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.15M NaCl and 1mM DTT.		

### Introduction

ASF1 Anti-Silencing Function 1 Homolog B (ASF1B) belongs to the H3/H4 family of histone chaperone proteins and is similar to the anti-silencing function-1 protein in yeast. ASF1B is the substrate of the tousel-like kinase family of cell cycle-regulated kinases, and may have a crucial role in modulating the nucleosome structure of chromatin by guaranteeing a regular supply of histones at sites of nucleosome assembly. ASF1B cooperates with CAF-1 (chromatin assembly factor 1) to stimulate replication-dependent chromatin assembly. ASF1B is highly expressed in the testis and at lower levels in colon, small intestine and thymus. ASF1B is necessary for spermatogenesis.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

ASF1B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 210 amino acids (1-202 a.a) and having a molecular mass of 23.4kDa. ASF1B is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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