

---

## Product Data Sheet

---

Product Name: ASF1A Human  
 Cat. No.: GP22787  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CGI-98; HSPC146; DKFZp547E2110; ASF1A; Histone chaperone ASF1A; Anti-silencing function protein 1 homolog A; hAsf1; hAsf1a; CCG1-interacting factor A; CIA; hCIA.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMKV QVNNVVLDN PSPFYNPFQF EITFECIEDL SEDLEWKIY VGSAESEEYD QVLDSVLVGP VPAGRHMVFV QADAPNPLI PDADAVGVTV VLITCTYRGQ EFIRVGYVYV NEYTETELRE NPPVKPDFSK LQRNILASNPRVTRFHINWE DNTEKLEDAE SSNPNLQSL STDALPSASK GWSTSENSLN VMLESHMDCM.		
Formulation	The ASF1A protein solution contains 20mM Tris-HCl, pH-8, 1mM DTT and 10% glycerol.		

### Introduction

ASF1A is part of the H3/H4 family of histone chaperone proteins corresponding to the anti-silencing function-1 gene in yeast. ASF1A is an important element of the histone donor complex that functions in nucleosome assembly. ASF1A interacts with histones H3 and H4, and functions together with a chromatin assembly factor during DNA replication and repair. Deletion of ASF1A in yeast and Drosophila confers sensitivity to various DNA damaging agents and inhibitors of DNA replication, increases genomic instability and sister chromatid exchange, and activates the DNA damage checkpoint.

### 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.

### Background

**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

---

## Product Data Sheet

---

ASF1A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 240 amino acids (1-204 a.a.) and having a molecular mass of 27kDa. ASF1A is fused to a 36 amino acid His Tag and purified by proprietary chromatographic techniques.

**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**