

Recombinant Human ASF1A, His-tagged

Cat. No. ASF1A-508H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ASF1A, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography. MW = 27 kDa (240aa).
Species	Human
Source	<i>E.coli</i>
Description	ASF1 anti-silencing function 1 homolog A, also known as ASF1A, belongs to H3/H4 family of histone chaperone proteins. ASF1A protein 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 <i>Drosophila</i> 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.
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAKV QVNNVVLDN PSPFYNPFQF EITFECIEDL SEDLEWKIY VGSAESEEYDQVLDSVLVGP VPAGRHMVFV QADAPNPLI PDADAVGVTV VLITCTYRGQ EFIRVGYVYV NEYTETELRE NPPVKPDFSK LQRNILASNP RVTRFHINWE DNTEKLEDAE SSNPNLQSLI STDALPSASK GWSTSENSLN VMLESHMDCM.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol.
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).

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Endotoxin Level < 1.0 EU per 1 µg of protein (determined by LAL method).

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [ASF1A ASF1 anti-silencing function 1 homolog A \(S. cerevisiae\) \[Homo sapiens \]](#)

Synonyms ASF1A; ASF1 anti-silencing function 1 homolog A (S. cerevisiae); CIA; CGI-98; HSPC146; DKFZp547E2110; ASF1 anti-silencing function 1 homolog A; CCG1-interacting factor A; anti-silencing function 1A; DKFZP547E2110; DKFZp547E2110

Gene ID [25842](#)

mRNA Refseq [NM_014034](#)

Protein Refseq [NP_054753](#)

MIM [609189](#)

UniProt ID [Q9Y294](#)

Chromosome Location 6q22.31

Function chromatin binding; histone binding

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