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*E.coli*and purified by using conventional chromatography. MW = 27 kDa (240aa).
Species	Human
Source	E.coli
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 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.
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAKV QVNNVVVLDN PSPFYNPFQF EITFECIEDL SEDLEWKIIY VGSAESEEYDQVLDSVLVGP VPAGRHMFVF QADAPNPGLI PDADAVGVTV VLITCTYRGQ EFIRVGYYVN NEYTETELRE NPPVKPDFSK LQRNILASNP RVTRFHINWE DNTEKLEDAE SSNPNLQSLL 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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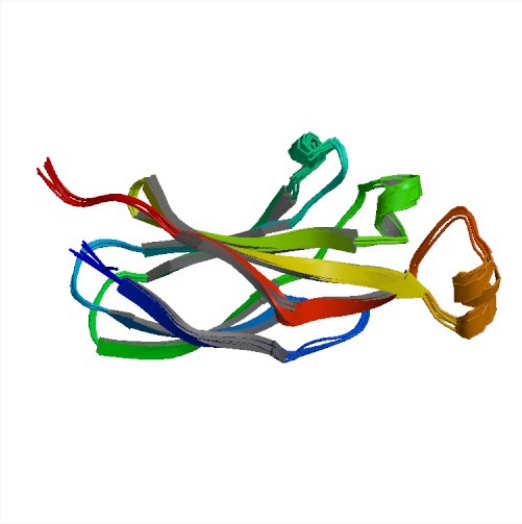
Endotoxin Level	< 1.0 EU per 1 μg of protein (determined by LAL method).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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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