

Product information



ASF1A, 1-204aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0296

Full name: ASF1 anti-silencing function 1 homolog A

NCBI Accession No.: NP_054753

Synonyms: Histone chaperone ASF1A, CCG1-interacting factor A (CIA), CGI-98, HSPC146

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. Recombinant human ASF1A, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

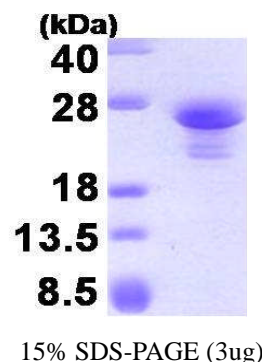
Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT ,
10% glycerol

Molecular Weight: 27 kDa (240aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

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



Sequences of amino acids:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMKAV QVNNVVLDN PSPFYNPFQF EITFECIEDL SEDLEWKI IY VGSAESEEYD
QVLDSVLVGP VPAGRHMVFV QADAPNPLI PDADAVGTV VLITCTYRQQ EFIRVGYVYN NEYTETELRE NPPVKPDFSK LQRN I LASNP
RVTRFHINWE DNTEKLEDAE SSNPNLQSLI STDALPSASK GWSTSENSLN VMLESHMDCM

General references:

Sanematsu F., *et al.* (2006). *J Biol Chem.* **281**(19):13817-27

Groth A., *et al.* (2005). *Mol Cell.* **17**(2):301-11

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



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.

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