

32-3253: ASF1A Recombinant Protein

Alternative Name CGI-98,HSPC146,DKFZp547E2110,ASF1A,Histone chaperone ASF1A,Anti-silencing function protein 1
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homolog A,hAsf1,hAsf1a,CCG1-interacting factor A,CIA,hCIA.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount : 20 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : The ASF1A protein solution contains 20mM Tris-HCl, pH-8, 1mM DTT and 10% glycerol.
Storage condition : 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.
Amino Acid : MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMKAV QVNNVVLDN PSPFYNPFQF EITFECIEDL SEDLEWKIY VGSAESEYD QVLDSVLVGP VPAGRHMVFV QADAPNPGLI PDADAVGVTV VLITCTYRGQ EFIRVGYVN NEYTETELRE NPPVKPDFSK LQRNILASNPRVTRFHINWE DNTEKLEDAE SSNPNLQSLL STDALPSASK GWSTSENSLN VMLESHMDCM.

