Recombinant Human ASF1A protein, His/T7-tagged

Cat. No. ASF1A-46H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ASF1A(Met1-Met204) fused with a T7 tag at the N-terminus, 6His tag at the C-terminus was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-204 a.a.
Description	Human Histone Chaperone ASF1A (ASF1A) belongs to the H3/H4 family of histone chaperone proteins. ASF1A is ubiquitously expressed in many cells and tissues, interacting with histones H3 and H4. ASF1A cooperates with Chromatin Assembly Factor 1 to promote replication-dependent chromatin assembly and with HIRA to promote replication-independent chromatin assembly. In addition, ASF1A is necessary for the formation of senescence-associated heterochromatin foci (SAHF) and efficient senescence-associated cell cycle exit.
Form	Lyophilized from a 0.2 μm filtered solution of 20mM TrisHCl, 1mM DTT, 150mM NaCl, pH 8.0.
AA Sequence	MASMTGGQQMGRGSMAKVQVNNVVVLDNPSPFYNPFQFEITFECIEDLSEDLEWKI IYVGSAESE EYDQVLDSVLVGPVPAGRHMFVFQADAPNPGLIPDADAVGVTVVLITC TYRGQEFIRVGYYVNNE YTETELRENPPVKPDFSKLQRNILASNPRVTRFHINWEDN TEKLEDAESSNPNLQSLLSTDALPS ASKGWSTSENSLNVMLESHMDCMLEHHHHH H

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Endotoxin	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days.Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100 μg/ml.Dissolve the lyophilized protein in ddH2O.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	ASF1A ASF1 anti-silencing function 1 homolog A (S. cerevisiae) [Homo sapiens]
Official Symbol	ASF1A
Synonyms	ASF1A; ASF1 anti-silencing function 1 homolog A (S. cerevisiae); histone chaperone ASF1A; CIA; DKFZP547E2110; hCIA; hAsf1; hAsf1a; CCG1-interacting factor A; anti-silencing function 1A; anti-silencing function protein 1 homolog A; CGI-98; HSPC146;
Gene ID	25842
mRNA Refseq	NM_014034
Protein Refseq	NP_054753
MIM	609189

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UniProt ID	Q9Y294
Chromosome Location	6q22.31
Function	chromatin binding; histone binding; protein binding;

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