

Datasheet for ABIN7552417
ASF1A Protein (AA 1-204) (His tag)



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Overview

Quantity:	1 mg
Target:	ASF1A
Protein Characteristics:	AA 1-204
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASF1A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ASF1A Protein expressed in mammalian cells.
Sequence:	MAKVQVNNVV VLDNPSPFYN PFQFEITFEC IEDLSEDLW KIIYVGS AES EEYDQVLDSV LVGPVPAGRH MFVFQADAPN PGLIPDADAV GVTVVLITCT YRGQEFIRVG YVNN EYTET ELRENPPVKP DFSKLQRN IL ASNPRVTRFH INWEDNTEKL EDAESSNP NL QLLSTDALP SASKGWSTSE NSLNVML ESH MDCM Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and

Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	ASF1A
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Alternative Name:	ASF1A (ASF1A Products)
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Background:	<p>Histone chaperone ASF1A (Anti-silencing function protein 1 homolog A) (hAsf1) (hAsf1a) (CCG1-interacting factor A) (CIA) (hCIA),FUNCTION: Histone chaperone that facilitates histone deposition and histone exchange and removal during nucleosome assembly and disassembly (PubMed:10759893, PubMed:11897662, PubMed:12842904, PubMed:14718166, PubMed:15664198, PubMed:16151251, PubMed:21454524). Cooperates with chromatin assembly factor 1 (CAF-1) to promote replication-dependent chromatin assembly and with HIRA to promote replication-independent chromatin assembly (PubMed:11897662, PubMed:14718166, PubMed:15664198). Promotes homologous recombination-mediated repair of double-strand breaks (DSBs) at stalled or collapsed replication forks: acts by mediating histone replacement at DSBs, leading to recruitment of the MMS22L-TONSL complex and subsequent loading of RAD51 (PubMed:29478807). Also involved in the nuclear import of the histone H3-H4 dimer together with importin-4 (IPO4): specifically recognizes and binds newly synthesized histones with the monomethylation of H3 'Lys-9' and acetylation at 'Lys-14' (H3K9me1K14ac) marks, and diacetylation at 'Lys-5' and 'Lys-12' of H4 (H4K5K12ac) marks in the cytosol (PubMed:21454524, PubMed:29408485). Required for the formation of senescence-associated heterochromatin foci (SAHF) and efficient senescence-associated cell cycle exit (PubMed:15621527). {ECO:0000269 PubMed:10759893, ECO:0000269 PubMed:11897662,</p>
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Target Details

ECO:0000269|PubMed:12842904, ECO:0000269|PubMed:14718166,
ECO:0000269|PubMed:15621527, ECO:0000269|PubMed:15664198,
ECO:0000269|PubMed:16151251, ECO:0000269|PubMed:21454524,
ECO:0000269|PubMed:29408485, ECO:0000269|PubMed:29478807}.

Molecular Weight: 23.0 kDa

UniProt: [Q9Y294](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months