

Datasheet for ABIN7561240

ASF1B Protein (AA 1-202) (His tag)



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Overview

Quantity:	1 mg
Target:	ASF1B
Protein Characteristics:	AA 1-202
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASF1B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Asf1b Protein expressed in mammalian cells.
Sequence:	<p>MAKVSVLNVA VLENPSPFHS PFRFEISFEC SEALSDLEW KIIYVGSAES EEFDQILDSV</p> <p>LVGPVPAGRH MFVFQADAPN PSLIPETDAV GVTVVLITCT YHGQEFIRVG YYVNNEYPDP</p> <p>ELRENPPPKP DFSQLQRNIL ASNPRVTRFH INWDNNPDSL EAIENQDPNV DFSLSLSCTP</p> <p>VKSLGLPSCI PGLLPENSMD CI 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.</p>
Characteristics:	<p>Key Benefits:</p> <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 transmembrane proteins.

Product Details

- 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, Western Blot
Grade:	custom-made

Target Details

Target:	ASF1B
Alternative Name:	Asf1b (ASF1B Products)
Background:	Histone chaperone ASF1B (Anti-silencing function protein 1 homolog B) (CCG1-interacting factor A-II) (CIA-II) (mCIA-II),FUNCTION: Histone chaperone that facilitates histone deposition and histone exchange and removal during nucleosome assembly and disassembly (PubMed:12842904, PubMed:17054786). Cooperates with chromatin assembly factor 1 (CAF-1) to promote replication-dependent chromatin assembly (By similarity). 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' (H3K9me1) and diacetylation at 'Lys-5' and 'Lys-12' of H4 (H4K5ac and H4K12ac) marks in the cytosol (By similarity). Does not participate in replication-independent nucleosome deposition which is mediated by ASF1A and HIRA (By similarity). Required for gonad development (PubMed:26850882). {ECO:0000250 UniProtKB:Q9NVP2, ECO:0000269 PubMed:12842904, ECO:0000269 PubMed:17054786, ECO:0000269 PubMed:26850882}.
Molecular Weight:	22.5 kDa
UniProt:	Q9DAP7
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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