

Datasheet for ABIN7552864

## CHAF1A Protein (AA 1-956) (His tag)



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### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | CHAF1A  |
| Protein Characteristics:      | AA 1-956                                      |
| Origin:                       | Human   |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This CHAF1A protein is labelled with His tag. |

### Product Details

|           |   |
|-----------|---|
| Purpose:  | Custom-made recombinant CHAF1A Protein expressed in mammalian cells.  |
| Sequence: | <p>MLEEECGAP GARGAATAMD CKDRPAFPVK KLIQARLPFK RLNLVPKGKA DDMSDDQGTS</p> <p>VQSKSPDLEA SLDTLENNCH VGSDIDFRPK LVNGKGPLDN FLRNRIETSI GQSTVIIDLT</p> <p>EDSNEQPDSL VDHNKLNSEA SPSREAINGQ REDTGDQQGL LKAIQNDKLA FPGETLSDIP</p> <p>CKTEEEGVGC GGAGRRGDSQ ECSPRSCPEL TSGPRMCPRK EQDSWSEAGG ILFKGKVPMV</p> <p>VLQDILAVRP PQIKSLPATP QGKNMTPESE VLESFPEEDS VLSHSSLSSP SSTSSPEGPP</p> <p>APPKQHSSTS PFPTSTPLRR ITKKFVKGST EKNKLRLQRD QERLGKQLKL RAEREEKEKL</p> <p>KEEAKRAKEE AKKKKEEKE LKEKERREKR EKDEKEKA EKQLKEERRKE RQEALAEKLE</p> <p>EKRKKEEKEK LREEEKRIKA EKAEITRFFQ KPKTPQAPKT LAGSCGKFAP FEIKEHMLVA</p> <p>PRRRTAFHPD LCSQLDQLLQ QQSGEFSFLK DLKGRQPLRS GPETHVSTRNA DIFNSDVVIV</p> <p>ERGKGDGVPE RRFKGRMKLL QFCENHRPAY WGTWNKKTAL IRARDPWAQD TKLLDYEVD</p> <p>DEEWEEEPG ESLSHSEGDD DDDMGEDEDE DDGFFVPHGY LSEDEGVTEE CADPENHKVR</p> <p>QKLKAKEWDE FLAKGKRFRV LQPVKIGCVW AADRDCAGDD LKVLQQFAAC FLETLPAAEE</p> |

## Product Details

QTPKASKRER RDEQILAQLL PLLHGNVNGS KVIREFQEH CRRGLLSNHT GSPRSPSTTY  
LHTPTSEDA AIPSKSRLKR LIENSVYEK RPDFRMCWYV HPQVLQSFQQ EHLPVPCQWS  
YVTSVPSAPK EDGSGVPSTG PSQGTPISLK RKSAGSMCIT QFMKKRRHDG QIGAEDMDGF  
QADTEEEEE EGDCMIVDVP DAAEVQAPCG AASGAGGGVG VDTGKATLTA SPLGAS **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: | <p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p> |

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

## Target Details

|                   |  |
|-------------------|--|
| Target:           | CHAF1A   |
| Alternative Name: | CHAF1A ( <a href="#">CHAF1A Products</a> )   |
| Background:       | Chromatin assembly factor 1 subunit A (CAF-1 subunit A) (Chromatin assembly factor I p150 subunit) (CAF-I 150 kDa subunit) (CAF-I p150) (hp150),FUNCTION: Core component of the CAF-1 complex, a complex that is thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first |

## Target Details

step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA, histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer. It may play a role in heterochromatin maintenance in proliferating cells by bringing newly synthesized cbx proteins to heterochromatic DNA replication foci. {ECO:0000250|UniProtKB:Q5R1T0}.

Molecular Weight: 106.9 kDa

UniProt: [Q13111](#)

## 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