

Datasheet for ABIN7553509

NCAPH Protein (AA 1-741) (His tag)



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Overview

Quantity:	1 mg
Target:	NCAPH
Protein Characteristics:	AA 1-741
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCAPH protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NCAPH Protein expressed in mammalian cells.
Sequence:	<p>MGPPGPALPA TMNNSSETR GHPSASSPS ERVFPMLPR KAPLNIPGTP VLEDFPQNDD</p> <p>EKERLQRRRS RVFDLQFSTD SPRLASPSS RSIDISATIP KFTNTQITEH YSTCIKLSTE</p> <p>NKITTKNAFG LHLIDFMSEI LKQKDTEPTN FKVAAGTLDA STKIYAVRVD AVHADVYRVL</p> <p>GGLGKDAPSL EEVEGHVADG SATEMGTTKK AVKPKKKHLH RTIEQNINNL NVSEADRKCE</p> <p>IDPMFQKTAA SFDECSTAGV FLSTLHCQDY RSELLFPSDV QTLSTGEPL LPELGCVEMT</p> <p>DLKAPLQQCA EDRQICPSLA GFQFTQWDSE THNESVSALV DKFKKNDQVF DINAEVDES</p> <p>CGDFPDGSLG DDFDANDEPD HTAVGDHEEF RSWKEPCQVQ SCQEEMISLG DGDRTMCPL</p> <p>LSMKPGEYSY FSPRTMSMWA GPDHWRFRPR RKQDAPSQSE NKKKSTKKDF EIDFEDDIDF</p> <p>DVYFRKTKAA TILTKSTLEN QNWRATTLP DFNYNVDTLV QLHLKPGTRL LKMAQGHVRE</p> <p>TEHYEEIEDY DYNPNNDTSN FCPGLQAADS DDEDLDDL FV GPVGNSDLSP YPCHPPKTAQ</p> <p>QNGDTPEAQG LDITTYGESN LVAEPQKVNK IEIHYAKTAK KMDMKKCLKS MWSLLTALSG</p> <p>KEADAEANHR EAGKEAALAE VADEKMLSLG TKDLQRS LPP VMAQNLSIPL AFACLLHLAN</p>

Product Details

EKNLKLEGTE DLSDVLRQG D **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:

- 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.
- 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)

Grade: custom-made

Target Details

Target: NCAPH

Alternative Name: NCAPH ([NCAPH Products](#))

Background: Condensin complex subunit 2 (Barren homolog protein 1) (Chromosome-associated protein H) (hCAP-H) (Non-SMC condensin I complex subunit H) (XCAP-H homolog),FUNCTION: Regulatory subunit of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The condensin complex probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases (PubMed:11136719). Early in neurogenesis, may play an essential role to ensure accurate mitotic chromosome condensation in neuron stem cells, ultimately affecting neuron pool and cortex size

Target Details

(PubMed:27737959). {ECO:0000269|PubMed:11136719, ECO:0000269|PubMed:27737959}.

Molecular Weight: 82.6 kDa

UniProt: [Q15003](#)

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