

Datasheet for ABIN7546643
NCAPH2 Protein (AA 1-605) (His tag)



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Overview

Quantity:	1 mg
Target:	NCAPH2
Protein Characteristics:	AA 1-605
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCAPH2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat NCAPH2 Protein expressed in mammalian cells.
Sequence:	<p>MEDVEARFAH LLQPIRDLTK NWEVDVAAQL GEYLEELDQI CISFDEGKTT MNFIEAALLI</p> <p>QGSACVYSKK VEYLYSLVYQ ALDFISGKRR AKQLSSVQED RANGVASSGV PQEAENEFLS</p> <p>LDDFPDSRTN VDLKNDQTPS EVLIIPLLPM ALVAPDEMEK NNNPLYSRQG EVLASRKDFR</p> <p>MNTCVPHPRG AFMLEPEGMS PMEPAGVSPM PGTQKDTGRT EEQPMESVVC RSPVPALGFS</p> <p>QEPGPSPEGP MPLGGGEDED AEEAVELPEA SAPKAALEPK ESRSPQSSAA LPRRYMLRER</p> <p>EGAPEPASCV KETPDWPQSL DPFDSLESKP FKKGRPYSPV PCVEEALGQK RKRKGAAKLQ</p> <p>DFHQWYLAAY ADHADSRRRL RKGPSFADME VLYWTHVKEQ LETLRKLQRR EVAEQWLRPA</p> <p>EEDHLEDSLE DLGAADDLE PEEYMEPEGA DPREAADLDA VPMSLSYEEL VRRNVELFIA</p> <p>TSQKFVQETE LSQRIRDWED TVQPLLQEQE QHVPFDIHTY GDQLVSRFPQ LNEWCPFAEL</p> <p>VAGQPAFEVC RSMLASLQLA NDYTVEITQQ PGLEMAVDTM SLRLLTHQRA HKRFQTYAAP</p> <p>SMAQP Sequence without tag. The proposed Purification-Tag is based on experiences with</p>

the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

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.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <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, Western Blot
Grade:	custom-made

Target Details

Target:	NCAPH2
Alternative Name:	NCAPH2 (NCAPH2 Products)
Background:	<p>Condensin-2 complex subunit H2 (Chromosome-associated protein H2) (hCAP-H2) (Kleisin-beta) (Non-SMC condensin II complex subunit H2),FUNCTION: Regulatory subunit of the condensin-2 complex, a complex that seems to provide chromosomes with an additional level of organization and rigidity and in establishing mitotic chromosome architecture (PubMed:14532007). May promote the resolution of double-strand DNA catenanes (intertwines) between sister chromatids. Condensin-mediated compaction likely increases tension in catenated sister chromatids, providing directionality for type II topoisomerase-mediated strand exchanges toward chromatid decatenation. Required for decatenation of chromatin bridges at anaphase. 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 (By similarity). Seems to have lineage-specific role in T-cell development</p>

Target Details

(PubMed:14532007). {ECO:0000250|UniProtKB:Q8BSP2, ECO:0000269|PubMed:14532007}.

Molecular Weight: 68.2 kDa

UniProt: [Q6IBW4](#)

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.

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