

Datasheet for ABIN7553485
NCAPG Protein (AA 1-1015) (His tag)



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Overview

Quantity:	1 mg
Target:	NCAPG
Protein Characteristics:	AA 1-1015
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCAPG protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NCAPG Protein expressed in mammalian cells.
Sequence:	MGAERRLLSI KEAFRLAQQP HQNQAKLVVA LSRTYRTMDD KTVFHEEFIH YLKYVMVVYK REPAVERVIE FAAKFVTSFH QSDMEDDEEE EDGGLLNLYF TFLLSHEAN SNAVRFRVCL LINKLLGSMP ENAQIDDDVF DKINKAMLIR LKDKIPNVRI QAVLALSRLQ DPKDDECPVV NAYATLIEND SNPEVRRAVL SCIAPSAKTL PKIVGRTKDV KEAVRKLAYQ VLAEKVHMRA MSIAQRVMLL QQGLNDRSDA VKQAMQKHLL QGWLRFSEGN ILELLHRLDV ENSSEVAVSV LNALFSITPL SELVGLCKNN DGRKLIPVET LTPEIALYWC ALCEYLKSKG DEGEEFLEQI LPEPVVYADY LLSYIQSIPV VNEEHRGDFS YIGNLMTKEF IGQQLILIIK SLDTSEEGGR KKLLAVLQEI LILPTIPLSL VSFLVERLLH IIIDDNKRTQ IVTEIISEIR APIVTGVVNN DPADVRKKEL KMAEIKVKLI EAKAELENCI TLQDFNRASE LKEEIKALED ARINLLKETE QLEIKEVHIE KND AETLQKC LILCYELLKQ MSISTGLSAT MNGIIESLIL PGIISHPVV RNLAVLCLGC CGLQNQDFAR KHFVLLLQVL QIDDVTIKIS ALKAIFDQLM TFGIEPFKTK KIKTLHCEGT EINSDDDEQES KEVEETATAK NVLKLLSDFL DSEVSELRTG AAEGLAKLMF SGLLVSSRIL SRLILLWYNP

Product Details

VT EEDVQLRH CLGVFFPVFA YASRTNQECF EEAFLPTLQT LANAPASSPL AEIDITNVAE
LLVDLTRPSG LNPQAKTSQD YQALTVHDNL AMKICNEILT SPCSPEIRVY TKALSSLELS
SHLAKDLLVL LNEILEQVKD RTCLRALEKI KIQLEKGNKE FGDQAEAAQD ATLT TTTTFQN
EDEKNKEVYM TPLRGVKATQ ASKSTQLKTN RGQRKVTVSA RTNRRRCQTAE ADSESDHEVP
EPESEMKMRL PRRAKTAALE KSKLNLAQFL NEDLS **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: NCAPG

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

Background: Condensin complex subunit 3 (Chromosome-associated protein G) (Condensin subunit CAP-G) (hCAP-G) (Melanoma antigen NY-MEL-3) (Non-SMC condensin I complex subunit G) (XCAP-G homolog),FUNCTION: Regulatory subunit of the condensin complex, a complex required for

Target Details

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. {ECO:0000269|PubMed:11136719}.

Molecular Weight: 114.3 kDa

UniProt: [Q9BPX3](#)

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