

Datasheet for ABIN7564039

NCAPG2 Protein (AA 1-1138) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NCAPG2
Protein Characteristics:	AA 1-1138
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCAPG2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Ncapg2 Protein expressed in mammalian cells.
Sequence:	<p>MEKREAFIQA VSKELVEEFL QFLQLDKDSS NPFSLSELLD ELSRKQKEEL WQRLKDLLTE</p> <p>TLLESPVDRW QTVEVEGADD MESEHSPKMR KSIKIICAV TVILASVSII NEHENYGALL</p> <p>ECAVILNGIL YALPESEQKL QNSIQDLCVK WWERGLPAKE DMGKTAFIML LRSLETKSG</p> <p>ADVCLRWRIH QALYCFDYDW EESREIKDML LECFINVNYI KKEEGRRFLS FLFSWNVDFI</p> <p>KMIHETIKNQ LAGLQKSLMV HIAEIYFRAW KKASGKMLET IEYDCIQDFM FHGIHLLRRS</p> <p>PVHRSKVREVL SYFHQQKVRQ GVEEMLYRLY KPILWRGLKA RNSEVRSNAA LLFVEAFPIR</p> <p>DPNFTATEMD NEIQKQFEEL YNLIEDPYPR VRSTGILGVC KISSKYWEMM PPNILVDFLK</p> <p>KVTGELAFDI SSADVRCVSF KCLPIILDNK LSHPLLEQLL PTLRYSLHDN SEKVRVAFVD</p> <p>LLLKIKAVRA AKFWKICPME DILVRLEMDS RPSRRRLVSL IFNSFLPVNQ PEEVWCERC</p> <p>TLIQMNRAAA RRFYQYAHEH TASTNIAKLI HVIRHCLNAC IQRTLREGSE AHKECEKENA</p> <p>SVLDKTLNVN DTASMAGLLE IIVILWKNIH RSLNENKEAK IYTINKFAAV LPEYLVKFKD</p>

ERCKIPLFML MSFLPASAVP VFSCGVISVL RNQESVTGRS YCTLLDCLCS WGQVGHVLEL
IVDWLPTVPP QAKSNLASKR KVEINDTCSV KPELALLYME YLLTHPKNRE CLLSVPQKKL
NQLLKALEGS KAELESFLQS PSGNPLNFNK ATALHAFGLY CRMSVHLQYK FCSEEKIHLS
ILDDTGSWLE NKVLPILLEDQ EEEYLKLRKD VYQQIIQTYL AVCKDVVMVG LGDPKFQMQL
LQRSFGIMKT VKGFFYVSL L GILKEIAGN TIIHKTDSD KVTVLFDLVQ EVFQKMLECI
ACIFRKQPEE SLPLFHSVQT PLHEFITTQ SWHKDTAVHH AVLSTLIAAP VVEISHQLQK
VSDIEELTSP QCLHDLPPFS RCLVGVMKS SDVVRSFVDE LKACVTSGDV EGIVCLTAVL
HIILVINKGK HISAKVKEVA TAVYRKLKTF MEITLEEDSL ERFLYESSMR TLGEFLNP **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.

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:	NCAPG2
Alternative Name:	Ncapg2 (NCAPG2 Products)
Background:	Condensin-2 complex subunit G2 (Chromosome-associated protein G2) (CAP-G2) (Leucine zipper protein 5) (More than blood protein) (Non-SMC condensin II complex subunit

Target Details

	G2),FUNCTION: Regulatory subunit of the condensin-2 complex, a complex which establishes mitotic chromosome architecture and is involved in physical rigidity of the chromatid axis. Is required for early embryonic development and is essential for viability and expansion of the inner cell mass (ICM) of the implanting blastocyst. {ECO:0000269 PubMed:14729962}.
Molecular Weight:	130.9 kDa
UniProt:	Q6DFV1

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