Datasheet for ABIN3093999

NCKAP5L Protein (AA 1-1330) (His tag)

1 Image

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Overview

Quantity:	1 mg
Target:	NCKAP5L
Protein Characteristics:	AA 1-1330
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCKAP5L protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:	MDQPAGGPGN PRPGEGDDGS MEPGTCQELL HRLRELEAEN SALAQANENQ RETYERCLDE VANHVVQALL NQKDLREECI KLKKRVFDLE RQNQMLSALF QQKLQLTTGS LPQIPLTPLQ PPSEPPASPS LSSTEGPAAP LPLGHCAGQR EVCWEQQLRP GGPGPPAAPP PALDALSPFL RKKAQILEVL RALEETDPLL LCSPATPWRP PGQGPGSPEP INGELCGPPQ PEPSPWAPCL LLGPGNLGGL LHWERLLGGL GGEEDTGRPW GPSRGPPQAQ GTSSGPNCAP GSSSSSSSDE AGDPNEAPSP DTLLGALARR QLNLGQLLED TESYLQAFLA GAAGPLNGDH PGPGQSSSPD QAPPQLSKSK GLPKSAWGGG TPEAHRPGFG ATSEGQGPLP FLSMFMGAGD APLGSRPGHP HSSSQVKSKL QIGPPSPGEA QGPLLPSPAR GLKFLKLPPT SEKSPSPGGP QLSPQLPRNS RIPCRNSGSD GSPSPLLARR GLGGGELSPE GAQGLPTSPS PCYTTPDSTQ LRPPQSALST TLSPGPVVSP CYENILDLSR STFRGPSPEP PPSPLQVPTY PQLTLEVPQA PEVLRSPGVP PSPCLPESYP YGSPQEKSLD KAGSESPHPG RRTPGNSSKK PSQGSGRRPG DPGSTPLRDR LAALGKLKTG PEGALGSEKN GVPARPGTEK TRGPGKSGES AGDMVPSIHR PLEQLEAKGG

	IRGAVALGTN SLKQQEPGLM GDPGARVYSS HSMGARVDLE PVSPRSCLTK VELAKSRLAG ALCPQVPRTP AKVPTSAPSL GKPNKSPHSS PTKLPSKSPT KVVPRPGAPL VTKESPKPDK GKGPPWADCG STTAQSTPLV PGPTDPSQGP EGLAPHSAIE EKVMKGIEEN VLRLQGQERA PGAEVKHRNT SSIASWFGLK KSKLPALNRR TEATKNKEGA GGGSPLRREV KMEARKLEAE SLNISKLMAK AEDLRRALEE EKAYLSSRAR PRPGGPAPGP NTGLGQVQGQ LAGMYQGADT FMQQLLNRVD GKELPSKSWR EPKPEYGDFQ PVSSDPKSPW PACGPRNGLV GPLQGCGKPP GKPSSEPGRR EETPSEDSLA EPVPTSHFTA CGSLTRTLDS GIGTFPPPDH GSSGTPSKNL PKTKPPRLDP PPGVPPARPP PLTKVPRRAH TLEREVPGIE ELLVSGRHPS MPAFPALLPA APGHRGHETC PDDPCEDPGP TPPVQLAKNW TFPNTRAAGS SSDPLMCPPR QLEGLPRTPM ALPVDRKRSQ EPSRPSPTPQ GPPFGGSRTP STSDMAEEGR VASGGPPGLE TSESLSDSLY DSLSSCGSQG **Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**
Characteristics:	• Made in Germany - from design to production - by highly experienced protein experts. • Human NCKAP5L Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade. • 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 will ensure that you receive a correctly folded protein. 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. In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization). When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered. The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer. The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells:

Product Details

	1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE. 2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	NCKAP5L
Alternative Name:	NCKAP5L (NCKAP5L Products)
Background:	Regulates microtubule organization and stabilization. Promotes microtubule growth and bundling formation and stabilizes microtubules by increasing intense acetylation of microtubules (PubMed:26482847, PubMed:26485573). Both tubulin-binding and homodimer formation are required for NCKAP5L-mediated microtubule bundle formation (PubMed:26485573). {ECO:0000269|PubMed:26482847, ECO:0000269|PubMed:26485573}.
Molecular Weight:	140.0 kDa Including tag.
UniProt:	Q9HCH0

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 gurantee though.
Comment:	In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images

Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process