

Datasheet for ABIN3136012

KIAA0284 Protein (AA 1-1574) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	1 mg
Target:	KIAA0284 (CEP170B)
Protein Characteristics:	AA 1-1574
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIAA0284 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MSVTSWFLVS SSGTRHRLPR ELIFVGRDEC ELMLQSRSDV KQHAVINYDQ DRDEHWVKDL GSLNGTFVND VRIPDQKYIT LKLNDVIRFG YDSNMYVLER VQHRVPPEAL KHEKYTSQLQ VSVKVSAPKR GDALPDHTPY CESSQPRPEK GDRRHGAEAV AYRTPLYGQP SWWGEDDSGA PSEDRHQEEP YSERPKDLAQ QNGELDSCRA PAEPPDYSFR REPSYFEIPT KETPQPRLP EVPTQEVPK DQEAGVGGTA PVVQSHASFT IEFDDCSPGK VKIKDHITKF SLRQRRAPSK ETTPVETVSA ETKVADWLQ NDPSLLRRDG PGDDRSTHSK DLPVHTRTLK GHKHEDGTQS DSEDPLAKTA SVSGASAEAS GEQVRLQRQI KRDPQELLHN QQAFVIEFFD GDTPRKKRSQ SFTHTPPADP KADKRRGPGT SDRDRPGVSV RATGSSSGPQ RASSLKREKT EERLGNTSPV PRASTRSGS VGRRSRLAQD FMAQCMRDSS PATRPAPEKT PPVLPAPLTP RGASPVTPST TPPPPTDPQL TKARKQEEDD SLSDAGTYTI ETEAQDQVEE EARRMIDQVF GVFEPELSR VSSATFRPVI RGDKDESSDG GMAQRMALLQ EFASRAPGMA PQMEQQSLLV PGSPGGQKWW SRWASLADSY SDAGLPEDGP GRRTGEPEGP LPVRTRRLP QLPSGRADSP AGLEAARRNG
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PGPPELGSEP ANCLIGQEDL DPDSLSDASG SDGGRGPEPG TERQEDLAWV RGRRSPPAPG
ELVPTSFFIG DQNGEATFPK KSFVGPGEVD GPGRVVQTSP SARDGLYVSS NGRMVIQLRS
GRSPEPDAP PKETLTFARQ ESFTKEPTSG PPAPGKLPHI SSHPLLQDLA AARASRLDFH
AQDTHLILKE TETALAALAE RLRSKSADEC DGGSTPRPPE DSLSGDSDVD TASTISLLSG
KNGPSPTTPQ TPGPQKESPL SPPTVPDPGG ATPGSARERM SERQHRPTPA DLGPGDTSRR
AAMRRGHGSR GS LDWPEEER GSGLAHLPS NHETPEATLA GRQGPRRKPA APPPSPAARE
EQSRSSATAQ KVQQALTRSN SLSTPRPTRA SRLRRARLGD ASDTEAVDGE RGTAANPEPA
NRAAPEQAKK LTRLDILAMP RKRAGSFTGP SDSETAPART GFSGRSAELY STSRKPTIAE
ARAAAKKAAA TAANTGPRQP FSRARPGSAR YSSNTRRRQQ GSDYTSTSEE EYGSHHSSPK
HTRSHASTAT QTPRGSSSTR ARSQGPRD TDDEEEDPYG FIVQTAEIAE IARLSQTLVK
DVAILAREIH DVAGDGD SLG SPGPTRPSL GNV PNT PAST ISAREELVQR IPEASLNFQK
VPPGSMNSHN LDQNMNDSRD DALTNKTRPR NREEVIFDNL MLNPVSQLSH AIRENTEHLA
EKMKVLFQNT GRAWEDLEAR INSENEVPIL KTSNKEISSI LKELRRVQKQ LEVINAIVDP
SLNLDLLMGN RAPSGSGQPG LGKARPAAS STSPASVDTL LPALPLRSFP QRANCGPPGL
PEPAFLPDAE RFLI

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.
- Mouse Cep170b 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 receipt 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

Product Details

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: 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:	KIAA0284 (CEP170B)
Alternative Name:	Cep170b (CEP170B Products)
Background:	Plays a role in microtubule organization. {ECO:0000250}.
Molecular Weight:	171.8 kDa Including tag.
UniProt:	Q80U49

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.
Comment:	Protein has not been tested for activity yet. 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