Datasheet for ABIN3135752

CEP135 Protein (AA 1-1140) (His tag)

1 Image

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Overview

Quantity:	1 mg
Target:	CEP135
Protein Characteristics:	AA 1-1140
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEP135 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:	MTTAAERKYI NIRKRLDQLG YRQTLSVDSL PLVEKLFSDL VHTTESLRQC RLSSGKAEKE SANLDFVLEP YKLENTRLNK ENNELYLELM KLRECSDKHI KDLKTTLKKC SRETADLKFL NNQYVHKVKV LEKESKAKDE KIQQLQEKNL RAVVQTPGGR KRNIAFRRQR MQIDEPAPPS EVSAYPVPQP EDPYIADLLQ VADNRIQELQ EEVQQLQEKL AQMEKGVLDY SKQIELRERE IQRLSLALDG GCSPDVLSLE TRNKTNEKLI AHLNVQVDFL QQANKELEKH IQELMETKET VTTEVVNLSN RNEKLCQELT EIDQLAQRLE RHKEQVLETA DKELGEAKKE IKRNLCEMRN LEEKMSKLQW ELDLSHKEKE RLNSELLLKS DLETVVHQLE QEKQRLSKKL QSFAVTEREL TLEVERMRLE HGIKRRDKSP SRLDTFLKGI EEERDYYKKE LEKLQHLIQR RSCAINYSAR EKPPVVKCSE KGDCSTDVHL ITRERDELQR MLERFEKYME DIQSNVKLLT AERDKLNVLY KEAKEELSTL RKESTNSTSP NHLVSCVEKE KERALSELRR ITAEKEALRE KLKNIQERNA VGKSDLEKTI EHLTYINHQL ENEKYELQSK MLMMKETVES LENKSKLQAQ KLSHVTGDSS HQKTEMTSLR IVSEQLQRSL DDCQHRLSIK RGELESAQEQ IKMLEQKLEN LSHRMTVQSE

	ETHAMKKTIG VMDKEKDFLQ ETVDEKTEKI ANLQESLLSK EKVIAQLKVT VAEYETSLNQ LQETLTTRDR EINSLRRQLD ASHKELDDVG KSREISFKEN RRLQDDLATM ARENQEISLE LEAAVQEKEE MKSRVHKYIT EVSRWESLMA AKEKENKDLL DRFQMLHSRA EDWEVKAQQA EGENSSVRLE LLSIDTERRH LRERVDLLEK EIQEHINAHH AYESQISSMA KAMSQLEEEL RRHESEKATM LGDVSSLREL CIKLDSGKDV MTQQLNSKSL ELERAVAELE NVKSESELLK KQLTNERQTI KNLESLLATN RDKEFQSHLT SHEKDTEIQL LKEKLNLSES KLTTQSRETS MLRTKVTQLQ TDYDNLKRQM SNEKYERERA IQEMRRLGLP TSPLSSTLKS PVQTPDHINA **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 Cep135 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: 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

Product Details

	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:	CEP135
Alternative Name:	Cep135 (CEP135 Products)
Background:	Centrosomal protein involved in centriole biogenesis. Acts as a scaffolding protein during early centriole biogenesis. Required for the targeting of centriole satellite proteins to centrosomes such as of PCM1, SSX2IP and CEP290 and recruitment of WRAP73 to centrioles. Also required for centriole-centriole cohesion during interphase by acting as a platform protein for CEP250 at the centriole (By similarity). {ECO:0000250|UniProtKB:Q66GS9}.
Molecular Weight:	134.3 kDa Including tag.
UniProt:	Q6P5D4
Pathways:	M Phase, SARS-CoV-2 Protein Interactome

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:	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