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Datasheet for ABIN3091889

CNTLN Protein (AA 2-1405) (His tag)

1 Image

Overview

Quantity:	1 mg
Target:	CNTLN
Protein Characteristics:	AA 2-1405
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNTLN protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence: AARSPSPHP SPPARQLGPR SPRVGRGAEV HAMRSEASGF AGAAREVVAD ESDKIWVGEE
GSGGRRGPGG AAPAHAPLLS APMGSRRLLEG ISVEEAMVTR TQLLEELSS LKEELALCQA
DKEFVWSLWK RLQVTNPDLT QVSVLVERE KQKSEAKDRK VLEILQVKDA KIQEFEQRES
VLKQEINDLV KRKIAVDEEN AFLRKEFSDL EKKFKDKSQE IKDTKECVQN KEEQNRLVIK
NLEENKCLS TRCTDLLNDL EKLRKQEAHL RKEKYSTDAK IKTFEDNLIE ARKEVEVSQS
KYNALSLQLS NKQTELIQKD MDITLVRKEL QELQNLKYQN STHTAQQAEL IQQLQVLNMD
TQKVLRNQED VHTAESISYQ KLYNELHICF ETTKSNEAML RQSVTNLQDQ LLQKEQENAK
LKEKLQESQG APLPLPQESD PDYSAQVPHR PSLSSLETLM VSQKSEIEYL QEKLKIANEK
LSENISANKG FSRKSIMTSA EGKHKEPPVK RSRSLSPKSS FTDSEELQKL RKAERKIENL
EKALQLKSQE NDELDAHEK RKERLQMLQT NYRAVKEQLK QWEEGSGMTE IRKIKRADPQ
QLRQEDSDAV WNELAYFKRE NQELMIQKMN LEEELDELKV HISIDKAAIQ ELNRCVAERR
EEQLFRSGED DEVKRSTPEK NGKEMLEQTL QKVTELENRL KSFEKRSRKL KEGNKKLMKE

NDFLKSLKQ QQEDTETREK ELEQIIKGSK DVEKENTELQ VKISELETEV TSLRRQVAEA
NALRNENEEL INPMEKSHQS ADRAKSEMAT MKVRSGRYDC KTTMTKVKFK AAKKNCSVGR
HHTVLNHSIK VMSNVFENLS KDGWEDVSES SSDSEAQTSQ TLGTIIVETS QKISPTEDGK
DQKESDPTED SQTQGKEIVQ TYLNIDGKTP KDYFHDKNAK KPTFQKKNCK MQKSSHTAVP
TRVNREKYKN ITAQKSSNI ILLRERIISL QQQNSVLQNA KKTAELSVKE YKEVNEKLLH
QQQVSDQRFQ TSRQTIKKNL LDLAGLRKEK EDLLKKLESS SEITSLAEEN SQVTFPRIQV
TSLSPRSMD LEMKQLQYKL KNATNELTKQ SSNVTKLFE LLAKEEHIKE MHEKISRMER
DITMKRHLIE DLKFRQKVN L ESNKSFSEML QNLDDKVKTL TEECSNKKVS IDSLKQRLNV
AVKEKSQYEQ MYQKSKEELE KDKLKLTLV SRISSETESAM AEIETAASKQ LQELALQSEQ
VLEGAQKTL LANEKVEEFT TFKALAKEL QNDVHVRRQ IRELKMKKN RDACKTSTHK
AQTAAASILN ISRSLEEIL DTEDQVEIEK TKIDAENDKE WMLYIQKLE GQSLTSPRL
KCNNGAIMAHQ NLRLPDSSSS ASAS

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 CNTLN 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 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.

Product Details

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: <ol style="list-style-type: none">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:	CNTLN
Alternative Name:	CNTLN (CNTLN Products)
Background:	Required for centrosome cohesion and recruitment of CEP68 to centrosomes. {ECO:0000269 PubMed:24554434}.
Molecular Weight:	162.4 kDa Including tag.
UniProt:	Q9NXG0

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:	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
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Handling

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