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Datasheet for ABIN7564855
CCDC99 Protein (AA 1-608) (His tag)

Overview

Quantity:	1 mg
Target:	CCDC99
Protein Characteristics:	AA 1-608
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC99 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinant Spdl1 Protein expressed in mammalian cells.
Sequence:	MEADITNLRN KLKECEDERL KAAHYGLQLL ERQTELSQL DKCHEEMMIT AEKYNQEKHA LQREVELKSR MLDSLSCICE ALKQQQKAQL EQLEVQLHRS HRQEVSDLKN KLENLKVELD EARLGEKQLK QKLDLQGELL AHKSEELRLL SEQRVLSSMS SELLALETEL TAAEGVKNAL KEEVNELQYK QEQLCLNTS LLHQVDRLKE EKEEREREAV SYNALEKAR VENQDLQVQL GHALQQAADP NSKGNLFAE VEDRRVAMER QLNLMKDKYQ SLKKQNAFTR DQMNMKMLQI STLLRMRSQ TEFEQQLRF AMIEQNGEI KHLLGEINKL EKFKNLYESM ESRPSTSDTA CVLEDSTYYS DLLQLKLDKL NKENESTKDE LSIQRMKALF ESQRALDIER KLFTNERHLQ LSEENMKLR AKLDELKLY EPEERIEVPV LKRRREVLPL NITTPETEETEE TAAASATEDG VSRLPPHREE ESCLNSLKDN TVQWKQPASS CVQPASLSPH KNLHLDTQPK KEKCKVKLVD SPANIEVLHE QSGNTPNSPR LTAESKLPTV VKERIETTSK LGKGACKKSH NIIYVSSKSA PETQCSQQ 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:

Key Benefits:

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

CCDC99

Alternative Name:

Spdl1 ([CCDC99 Products](#))

Background:

Protein Spindly (Coiled-coil domain-containing protein 99) (Spindle apparatus coiled-coil domain-containing protein 1),FUNCTION: Required for the localization of dynein and dynactin to the mitotic kintochore. Dynein is believed to control the initial lateral interaction between the kinetochore and spindle microtubules and to facilitate the subsequent formation of end-on kinetochore-microtubule attachments mediated by the NDC80 complex. Also required for correct spindle orientation. Does not appear to be required for the removal of spindle assembly checkpoint (SAC) proteins from the kinetochore upon bipolar spindle attachment. Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive motor in the presence of dynactin. Facilitates the interaction between dynein and dynactin and activates dynein processivity (the ability to move along a microtubule for a long distance without falling off the track) (By similarity). Plays a role

Target Details

in cell migration (By similarity). {ECO:0000250|UniProtKB:Q96EA4, ECO:0000255|HAMAP-Rule:MF_03041}.

Molecular Weight: 70.2 kDa

UniProt: [Q923A2](#)

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