Datasheet for ABIN7555533

CCDC99 Protein (AA 1-605) (His tag)

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Overview

Quantity:	1 mg
Target:	CCDC99
Protein Characteristics:	AA 1-605
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC99 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SPDL1 Protein expressed in mammalian cells.
Sequence:	MEADIITNLR CRLKEAEEER LKAAQYGLQL VESQNELQNQ LDKCRNEMMT MTESYEQEKY TLQREVELKS RMLESLSCEC EAIKQQQKMH LEKLEEQLSR SHGQEVNELK TKIEKLKVEL DEARLSEKQL KHQVDHQKEL LSCKSEELRV MSERVQESMS SEMLALQIEL TEMESMKTTL KEEVNELQYR QEQLELLITN LMRQVDRLKE EKEEREKEAV SYYNALEKAR VANQDLQVQL DQALQQALDP NSKGNSLFAE VEDRRAAMER QLISMKVKYQ SLKKQNVFNR EQMQRMKLQI ATLLQMKGSQ TEFEQQERLL AMLEQKNGEI KHLLGEIRNL EKFKNLYDSM ESKPSVDSGT LEDNTYYTDL LQMKLDNLNK EIESTKGELS IQRMKALFES QRALDIERKL FANERCLQLS ESENMKLRAK LDELKLKYEP EETVEVPVLK KRREVLPVDI TTAKDACVNN SALGGEVYRL PPQKEETQSC PNSLEDNNLQ LEKSVSIYTP VVSLSPHKNL PVDMQLKKEK KCVKLIGVPA DAEALSERSG NTPNSPRLAA ESKLQTEVKE GKETSSKLEK ETCKKLHPIL YVSSKSTPET QCPQQ **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.**

Product Details

	In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CCDC99
Alternative Name:	SPDL1 (CCDC99 Products)
Background:	Protein Spindly (hSpindly) (Arsenite-related gene 1 protein) (Coiled-coil domain-containing protein 99) (Rhabdomyosarcoma antigen MU-RMS-40.4A) (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 (PubMed:17576797, PubMed:19468067). Acts as an adapter protein linking the dynein motor complex to various cargos and converts dynein from a non-processive to a highly processive

Target Details

	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) (PubMed:25035494). Plays a role in cell migration (PubMed:30258100). {ECO:0000255|HAMAP-Rule:MF_03041, ECO:0000269|PubMed:17576797, ECO:0000269|PubMed:19468067, ECO:0000269|PubMed:25035494, ECO:0000269|PubMed:30258100}.
Molecular Weight:	70.2 kDa
UniProt:	Q96EA4

Application Details

Application Notes:	We expect the protein to work for functional studies. 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