

Datasheet for ABIN7553095
CCDC22 Protein (AA 1-627) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CCDC22
Protein Characteristics:	AA 1-627
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCDC22 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CCDC22 Protein expressed in mammalian cells.
Sequence:	<p>MEEADRILIH SLRQAGTAVP PDVQTLRAFT TELVVEAVVR CLRVINPAVG SGLSPLLPLA MSARFRLAMS LAQACMDLGY PLELGYQNFL YPSEPLRDL LLFLAERLPT DASEDADQPA GDSAILLRAI GSQIRDQLAL PWVPPHLRTP KLQHLQGSAL QKPFHASRLV VPELSSRGEP REFQASPLLL PVPTQVPQPV GRVASLLEHH ALQLCQQTGR DRPGDEDWVH RTSRLPPQED TRAQRQLQK QLTEHLRQSW GLLGAPIQAR DLGELLQAWG AGAKTGAPKG SRFTHSEKFT FHLEPQAQAT QVSDVPATSR RPEQVTWAAQ EQELESLEEQ LEGVNRSIEE VEADMKTGLV SFVQAESECR HSKLSTAERE QALRLKRAV ELLPDGTANL AKLQLVVENS AQRVIHLAGQ WEKHRVPLLA EYRHLRKLQD CRELESSRRL AEIQELHQSVA RAAEEARRK EEVYKQLMSE LETLPDVSRL LAYTQRILEI VGNIRKQKEE ITKILSDTKE LQKEINSLSG KLDRTFAVTD ELVFKDAKDD DAVRKAYKYL AALHENCSQL IQTIEDTGTI MREVRDLEEQ IETELGKCTL SNLEKIREDY RALRQENAGL LGRVREA Sequence without tag. The proposed Purification-Tag</p>

Product Details

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:

CCDC22

Alternative Name:

CCDC22 ([CCDC22 Products](#))

Background:

Coiled-coil domain-containing protein 22,FUNCTION: Involved in regulation of NF-kappa-B signaling. Promotes ubiquitination of I-kappa-B-kinase subunit IKBKB and its subsequent proteasomal degradation leading to NF-kappa-B activation, the function may involve association with COMMD8 and a CUL1-dependent E3 ubiquitin ligase complex. May down-regulate NF-kappa-B activity via association with COMMD1 and involving a CUL2-dependent E3 ubiquitin ligase complex. Regulates the cellular localization of COMMD domain-containing proteins, such as COMMD1 and COMMD10 (PubMed:23563313). Component of the CCC complex, which is involved in the regulation of endosomal recycling of surface proteins, including integrins, signaling receptor and channels. The CCC complex associates with SNX17, retriever and WASH complexes to prevent lysosomal degradation and promote cell surface recycling of numerous cargos such as integrins ITGA5:ITGB1 (PubMed:28892079,

Target Details

PubMed:25355947). Plays a role in copper ion homeostasis. Involved in copper-dependent ATP7A trafficking between the trans-Golgi network and vesicles in the cell periphery, the function is proposed to depend on its association within the CCC complex and cooperation with the WASH complex on early endosomes (PubMed:25355947).

{ECO:0000269|PubMed:23563313, ECO:0000269|PubMed:25355947,

ECO:0000269|PubMed:28892079}., FUNCTION: (Microbial infection) The CCC complex, in collaboration with the heterotrimeric retriever complex, mediates the exit of human papillomavirus to the cell surface. {ECO:0000269|PubMed:28892079}.

Molecular Weight: 70.8 kDa

UniProt: [O60826](#)

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