

Datasheet for ABIN7565088
CCDC22 Protein (AA 1-627) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | CCDC22 |
| Protein Characteristics: | AA 1-627 |
| Origin: | Mouse |
| 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

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|-----------|--|
| Purpose: | Custom-made recombinat Ccdc22 Protein expressed in mammalien cells. |
| Sequence: | <p>MEEADRILIH SLRQAGTAVP PEVQTLRAFT TELVVEAVVR CLRVINPDVG SGLSHLLPPA MSARFRLAMS LAQACMDLGY PLELGYQNFL YPSEPLRDL LLFLAERLPS DASEDADQPA GDSAIFLRAI GSQIRDQLAL PWVPPLLRTV KVQRLQGSAL QQPFHSSRLV LPELNSSGEL WEFQASPLLL PAPTQVPQLQ GRAASLLEHH ASQLCQHVNR DCPGDEDRVR WASRVPSQED SRAPQQLHK QLIEHLRQSW GPLGAPTQVR DLGEMLQTWG ARAMTGVPKG SRFTHSEKFT FHLEPQVQAA QVADVPATSQ RLEQDTRAAQ EQELESLEQ LASVNHNIEE VEADMKTGLI NLVQVETECR QSELSVAEQE QALRLKSRTV ELLPDGAANL AKLQLVVESS AQRLIHLASQ WEKHRVPLLA EYRHLRRLQD CRELESSRRL AEIQELHHSV RAAAEERARK EEVYKQLVSE LETLPKDVSR LAYTQRILEI VGNIRKQKEE ITKILSDTKE LQKEINSLSG KLDRTFAVTD ELVFKDAKGD DAVRKAYKYL AALHENCSQL IQTIEDTGTI MREVRDLEEQ IETEMGKCTL SNLEKICEDY 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 COMM domain-containing proteins, such as COMMD1 and COMMD10. 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. Plays a role in copper ion homeostasis. Involved in

Target Details

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. {ECO:0000250|UniProtKB:O60826}.

Molecular Weight: 70.8 kDa

UniProt: [Q9JIG7](#)

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