

Datasheet for ABIN7553222
CDC20 Protein (AA 1-499) (His tag)



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Overview

Quantity:	1 mg
Target:	CDC20
Protein Characteristics:	AA 1-499
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDC20 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CDC20 Protein expressed in mammalian cells.
Sequence:	<p>MAQFAFESDL HSLQLDAPI PNAPPARWQR KAKEAAGPAP SPMRAANRSH SAGRTPGRTP GKSSSKVQTT PSKPGGDRIYI PHRSAAQMEV ASFLLSKENQ PENSQTPTKK EHQAALNL NGFDVEEAKI LRLSGKPQNA PEGYQNRLKV LYSQKATPGS SRKTCRYIPS LPDRILDAPE IRNDYYLNLV DWSSGNVLAV ALDNSVYLWS ASSGDILQLL QMEQPGEYIS SVAWIKEGNY LAVGTSSAEV QLWDVQQQKR LRNMTSHSAR VGSLSWNSYI LSSGSRSGHI HHHDVRAEH HVATLSGHSQ EVCGLRWAPD GRHLASGGND NLVNVWPSAP GEGGWVPLQT FTQHQAQVKA VAWCPWQSNV LATGGGTSRDR HIRIWNVCSG ACLSAVDAHS QVCSILWSPH YKELISGHGF AQNQLVIWKY PTMAKVAELK GHTSRVLSLT MSPDGATVAS AAADTLRLW RCFELDPARR REREKASAAK SSLIHQGIR 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

CDC20

Alternative Name:

CDC20 ([CDC20 Products](#))

Background:

Cell division cycle protein 20 homolog (p55CDC),FUNCTION: Involved in the metaphase/anaphase transition of cell cycle (PubMed:32666501). Required for full ubiquitin ligase activity of the anaphase promoting complex/cyclosome (APC/C) and may confer substrate specificity upon the complex. Is regulated by MAD2L1: in metaphase the MAD2L1-CDC20-APC/C ternary complex is inactive and in anaphase the CDC20-APC/C binary complex is active in degrading substrates. The CDC20-APC/C complex positively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. CDC20-APC/C-induced degradation of NEUROD2 induces presynaptic differentiation. The CDC20-APC/C complex promotes proper dilation formation and radial migration by degrading CCDC41 (By similarity). {ECO:0000250|UniProtKB:Q9JJ66, ECO:0000269|PubMed:32666501, ECO:0000269|PubMed:9637688, ECO:0000269|PubMed:9734353, ECO:0000269|PubMed:9811605}.

Target Details

Molecular Weight: 54.7 kDa

UniProt: [Q12834](#)

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