

Datasheet for ABIN7561159
CNTD1 Protein (AA 1-334) (His tag)



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Overview

Quantity:	1 mg
Target:	CNTD1
Protein Characteristics:	AA 1-334
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CNTD1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cntd1 Protein expressed in mammalian cells.
Sequence:	<p>MNMEGPLRPR LVNCSDFQFG VTTTETIENA LLHLAQQNEQ AVKEAAGRTG SFRETRIVEF VLLSEQWCL EKSVSYQAVE ILERFMLKQA EDICRQATLQ LRGKDTLQS WRAMKEQLVN KFILRLVSCV QLASKLSFHY KIVSNITVLN FLQALGYVHT KEELLESELD ILKSLNFQIN LPTPLAYVEM LLEVELGYNGC LVPATQLHAT CLTLLDLVYL LHEPIYESLL RASIENSTPS QLQGEKFLSV KEDFMLLAVG IIAASAFIQN HECWSQVIGH LQSITGIASE SIAEFSYAIL THSVGANTPG PQQPVPHKAA RALRTAAAAA SSNT 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 isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	CNTD1
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Alternative Name:	Cntd1 (CNTD1 Products)
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Background:	Cyclin N-terminal domain-containing protein 1,FUNCTION: Plays a role in the different steps of crossover formation during meiotic recombination (PubMed:24891606, PubMed:32640224, PubMed:32555348). Participates in the crossover differentiation step of crossover-specific recombination intermediates through its interaction with PRR19 (PubMed:32555348). In addition, stimulates crossover formation through the interactions with RFC3 and RFC4 and simultaneously regulates cell-cycle progression through interactions with CDC34 and subsequent ubiquitination of WEE1 (PubMed:32640224). May also participates in an active deselection process that destabilizes or removes excess pre-CO intermediates (PubMed:24891606). {ECO:0000269 PubMed:24891606, ECO:0000269 PubMed:32555348, ECO:0000269 PubMed:32640224}.
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Molecular Weight:	37.2 kDa
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UniProt:	Q9D995
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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
