

Datasheet for ABIN7546885  
**CTDSP2 Protein (AA 1-271) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CTDSP2
Protein Characteristics:	AA 1-271
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTDSP2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CTDSP2 Protein expressed in mammalian cells.
Sequence:	MEHGSITQA RREDALVLTQ QGLVSKSSPK KPRGRNIFKA LFCCFRAQHV GQSSSSTELA AYKEEANTIA KSDLLQCLQY QFYQIPGTCL LPEVTEEDQG RICVVIDLDE TLVHSSFKPI NNADFIVPIE IEGTTHQVYV LKRPYVDEFL RRMGELFECV LFTASLAKYA DPVTDLLDRC GVFRARLFRE SCVFHQGCYV KDLSRLGRDL RKTLLDNLSP ASYIFHPENA VPVQSWFDDM ADTELLNLIP IFEELSGAED VYTSLGQLRA P <b>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.</b>
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

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- 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.

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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

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Target:	CTDSP2
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Alternative Name:	CTDSP2 ( <a href="#">CTDSP2 Products</a> )
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Background:	Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 2 (EC 3.1.3.16) (Nuclear LIM interactor-interacting factor 2) (NLI-interacting factor 2) (Protein OS-4) (Small C-terminal domain phosphatase 2) (Small CTD phosphatase 2) (SCP2),FUNCTION: Preferentially catalyzes the dephosphorylation of 'Ser-5' within the tandem 7 residue repeats in the C-terminal domain (CTD) of the largest RNA polymerase II subunit POLR2A. Negatively regulates RNA polymerase II transcription, possibly by controlling the transition from initiation/capping to processive transcript elongation. Recruited by REST to neuronal genes that contain RE-1 elements, leading to neuronal gene silencing in non-neuronal cells. May contribute to the development of sarcomas. {ECO:0000269 PubMed:12721286, ECO:0000269 PubMed:15681389}.
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Molecular Weight:	30.7 kDa
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UniProt:	<a href="#">O14595</a>
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Pathways:	<a href="#">ER-Nucleus Signaling</a>
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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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