

Datasheet for ABIN7553562
CTDP1 Protein (AA 1-961) (His tag)



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Overview

Quantity:	1 mg
Target:	CTDP1
Protein Characteristics:	AA 1-961
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTDP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CTDP1 Protein expressed in mammalian cells.
Sequence:	MEVPAAGRVP AEGAPTAAVA EVRCPGPAPL RLEWRVAAG AAVRIGSVLA VFEAAASAQS SGASQSRVAS GGCVRPARPE RRLRSERAGV VRELCAQPGQ VVAPGAVLVR LEGCSHPVVM KGLCAECGQD LTQLQSKNGK QQVPLSTATV SMVHSVPELM VSSEQAEQLG REDQQLHRN RKLVLMDLD QTLIHTTEQH CQQMSNKGIF HFQLGRGEPM LHTRLRPHCK DFLEKIAKLY ELHVFTFGSR LYAHTIAGFL DPEKKLFSHR ILSRDECIDP FSKTGNLRLNL FPCGDSMVC IDDREDVWKF APNLITVKKY VYFQGTGDMN APPGSRESQT RKKVNHSRGT EVSEPSPPVR DPEGVTQAPG VEPSNGLEKP ARELNGSEAA TPRDSPRPGK PDERDIWPPA QAPTSSQELA GAPEPQGSCA QGGRVAPGQR PAQGATGTDL DFDLSSDSES SSESEGTKSS SSASDGESEG KRGRQPKAA PEGAGALAQG SSLEPGRPAA PSLPGEAEPG AHAPDKEPEL GGQEEGERD LCGLNGCAD RKEAETESQN SELSGVTAGE SLDQSMEEEE EEDTDEDDHL IYLEEILVRV HTDYYAKYDR YLNKEIEEAP DIRKIVPELK SKVLADVAIL FSGLHPTNFP IEKTRHYHA TALGAKILTR LVLSPDAPDR ATHLIAARAG TEKVLQAQEC GHLHVNPDPW LWSCLERWDK

Product Details

VEEQLFPLRD DHTKAQRENS PAAFPDREGV PPTALFHPMP VLPKAQPGPE VRIYDSNTGK
LIRTGARGPP APSSSLPIRQ EPSSFRAVPP PQQQMFGEEL PDAQDGEQPG PSRRKRQPSM
SETMPPLYTLC KEDLESMDKE VDDILGEGSD DSDSEKRRPE EQEEEPQPRK PGTRRERTLG
APASSERSAA GGRGPRGHKR KLNEEDAASE SSRESSNEDE GSSSEADEMA KALEAELNDL M

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.

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:

- 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: CTD1

Alternative Name: CTD1 ([CTDP1 Products](#))

Background: RNA polymerase II subunit A C-terminal domain phosphatase (EC 3.1.3.16) (TFIIF-associating CTD phosphatase),FUNCTION: Processively dephosphorylates 'Ser-2' and 'Ser-5' of the heptad repeats YSPTSPS in the C-terminal domain of the largest RNA polymerase II subunit. This promotes the activity of RNA polymerase II. Plays a role in the exit from mitosis by

Target Details

dephosphorylating crucial mitotic substrates (USP44, CDC20 and WEE1) that are required for M-phase-promoting factor (MPF)/CDK1 inactivation. {ECO:0000269|PubMed:22692537}.

Molecular Weight: 104.4 kDa

UniProt: [Q9Y5B0](#)

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