

Datasheet for ABIN7546846  
**CTBP1 Protein (AA 1-440) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CTBP1
Protein Characteristics:	AA 1-440
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTBP1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CTBP1 Protein expressed in mammalian cells.
Sequence:	MGSSHLLNKG LPLGVRPPIM NGPLHPRPLV ALLDGRDCTV EMPILKDVAT VAFCDQAQSTQ EIHEKVLNEA VGALMYHTIT LTREDLEKFK ALRIIVRIGS GFDNIDIKSA GDLGIAVCNV PAASVEETAD STLCHILNLY RRATWLHQAL REGTRVQSVE QIREVASGAA RIRGETLGII GLGRVGQAVA LRAKAFGFNV LFYDPYLSDG VERALGLQRV STLQDLLFHS DCVTLHCGLN EHNHHLINDF TVKQMRQGAF LVNTARGGLV DEKALAQALK EGRIRGAALD VHESEPFSS QGPKLDAPNL ICTPHA AWYS EQASIEMREE AAREIRRAIT GRIPDSLKNC VNKDHLTAAT HWASMDPAVV HPELNGAAYR YPPGVGVVAP TGIPAAVEGI VPSAMSLSHG LPPVAHPPHA PSPGQTVKPE ADRDHASDQL <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.

## Product Details

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### 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.

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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

## Target Details

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### Target:

CTBP1

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### Alternative Name:

CTBP1 ([CTBP1 Products](#))

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### Background:

C-terminal-binding protein 1 (CtBP1) (EC 1.1.1.-),FUNCTION: Corepressor targeting diverse transcription regulators such as GLIS2 or BCL6. Has dehydrogenase activity. Involved in controlling the equilibrium between tubular and stacked structures in the Golgi complex. Functions in brown adipose tissue (BAT) differentiation. {ECO:0000269|PubMed:12419229, ECO:0000269|PubMed:15542832, ECO:0000269|PubMed:18212045, ECO:0000269|PubMed:19103759, ECO:0000269|PubMed:9858600}.

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### Molecular Weight:

47.5 kDa

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### UniProt:

[Q13363](#)

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### Pathways:

[Retinoic Acid Receptor Signaling Pathway](#)

## 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

## Application Details

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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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