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## Recombinant human CTBP1 protein

Catalog Number: ATGP0495

## **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-440aa

#### **UniProt No.**

013363

#### **NCBI Accession No.**

NP 001319.1

#### **Alternative Names**

C-terminal-binding protein 1 isoform 1, BARS, C-terminal-binding protein 1 isoform 1 C terminal binding protein 1, CTBP, CTBP1, MGC104684.

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

47.5 kDa (440aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 100mM NaCl, 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### Tag

Non-Tagged

## **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### **BACKGROUND**

## **Description**

C-terminal-binding protein 1 isoform 1, also known as CTBP1, is expressed from embryo to adult. This protein binds to the C-terminus of adenovirus E1A. It is a cellular phosphoprotein that associates with various proteins and functions as a corepressor of transcription. Also, CTBP1 associates in complexes with histone deacetylases (HDAC), the G9a histone methyltransferase, and LSD1 histone demethylase illustrating its role in transcriptional repression. Recombinant human CTBP1 was expressed in E. coli and purified by using conventional



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chromatography techniques.

## **Amino acid Sequence**

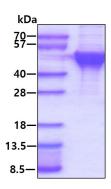
MGSSHLLNKG LPLGVRPPIM NGPLHPRPLV ALLDGRDCTV EMPILKDVAT VAFCDAQSTQ EIHEKVLNEA VGALMYHTIT LTREDLEKFK ALRIIVRIGS GFDNIDIKSA GDLGIAVCNV PAASVEETAD STLCHILNLY RRATWLHQAL REGTRVQSVE QIREVASGAA RIRGETLGII GLGRVGQAVA LRAKAFGFNV LFYDPYLSDG VERALGLQRV STLQDLLFHS DCVTLHCGLN EHNHHLINDF TVKQMRQGAF LVNTARGGLV DEKALAQALK EGRIRGAALD VHESEPFSFS QGPLKDAPNL ICTPHAAWYS EQASIEMREE AAREIRRAIT GRIPDSLKNC VNKDHLTAAT HWASMDPAVV HPELNGAAYR YPPGVVGVAP TGIPAAVEGI VPSAMSLSHG LPPVAHPPHA PSPGOTVKPE ADRDHASDOL

#### **General References**

Izutsu K., et al. (2001) Blood. 97(9):2815-22. Yu X., et al. (1998) J Biol Chem. 273:25388-25392.

#### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

