

Recombinant human CTBP1 protein

Catalog Number: ATGP0495

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-440aa

UniProt No.

Q13363

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

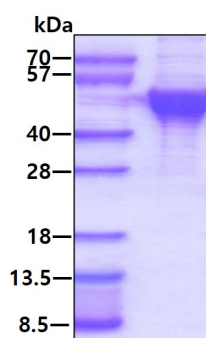
MGSSHLLNKG LPLGVRPPIM NGPLHPRPLV ALLDGRDCTV EMPILKDVAT VAFCDASTQ EIHEKVLNEA VGALMYHTIT
LTREDLEKFK ALRIIVRIGS GFDNIDIKSA GDLGAVCNV PAASVEETAD STLCHILNLY RRATWLHQAL REGTRVQSVE
QIREVASGAA RIRGETLGII GLGRVGQAVA LRAKAFGFNV LFYDPYLSHG VERALGLQRV STLQDLLFHS DCVTLHCGLN
EHNHHLINDF TVKQMRQGAF LVNTARGGLV DEKALAQALK EGRIRGAALD VHESEPFSS QGPLKDAPNL ICTPHAAWYS
EQASIEMREE AAREIRRAIT GRIPDSLKNC VNKDHLTAAT HWASMDPAVV HPELNGAAYR YPPGVVGVAP TGIPAAVEGI
VPSAMSLSHG LPPVAHPPHA PSPGQTVKPE ADRDHASDQL

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.