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

chromatography techniques.

Amino acid Sequence

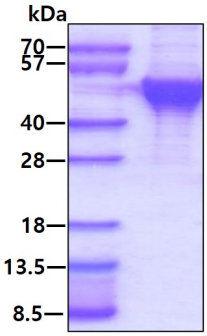
MGSSHLLNKG LPLGVRPPIM NGPLHPRPLV ALLDGRDCTV EMPILKDVAT VAFCDAQSTQ EIHEKVLNEA VGALMYHTIT LTREDLEKFK ALRIIVRIGS GFDNIDIKSA GDLGIAVCNV PAASVEETAD STLCHILNLY RRATWLHQAL REGTRVQSVE QIREVASGAA RIRGETLGII GLGRVGQAVA LRAKAFGFNV LFYDPYLSDG VERALGLQRV STLQDLLFHS DCVTLHCGLN EHNHHLINDF TVKQMRQGAF LVNTARGGLV DEKALAQALK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