

Recombinant Human CTBP1

Cat. No. CTBP1-26435TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CtBP1 (amino acids 1-440), 47.5kDa.
Species	Human
Source	E.coli
ProteinLength	440 amino acids
Description	This gene encodes a protein that binds to the C-terminus of adenovirus E1A proteins. This phosphoprotein is a transcriptional repressor and may play a role during cellular proliferation. This protein and the product of a second closely related gene, CTBP2, can dimerize. Both proteins can also interact with a polycomb group protein complex which participates in regulation of gene expression during development. Alternative splicing of transcripts from this gene results in multiple transcript variants.
Molecular Weight	47.500kDa
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 10% Glycerol, 0.58% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

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

Sequence Similarities

Belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family.

GENE INFORMATION
Gene Name

CTBP1 C-terminal binding protein 1 [Homo sapiens]

Official Symbol

CTBP1

Synonyms

CTBP1; C-terminal binding protein 1; C-terminal-binding protein 1; BARS; brefeldin A ribosylated substrate;

Gene ID

1487

mRNA Refseq

NM_001328

Protein Refseq

NP_001319

MIM

602618

Uniprot ID

Q13363

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Chromosome Location	4p16
Pathway	Chronic myeloid leukemia, organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved biosystem;
Function	NAD binding; NAD binding; cofactor binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor;

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