

## Recombinant Human CTBP1

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human CtBP1 (amino acids 1-440), 47.5kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	440 amino acids
<b>Description</b>	<p>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.</p>
<b>Molecular Weight</b>	47.500kDa
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.32% Tris HCl, 10% Glycerol, 0.58% Sodium chloride
<b>Storage</b>	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 GLGRVGGQAVA LRAKAFGFNV  
 LFYDPYLSDG VERALGLQRV STLQDLLFHS DCVTLHCGLN EHNHHLINDF  
 TVKQMRQGAF LVNTARGGLV DEKALAQALK EGRIRGAALD VHESEPFSSFS  
 QGPLKDAPNL ICTPHAAWYS EQASIEMREE AAREIRRAIT GRIPDSLKNC  
 VNKDHLTAAT HWASMDPAVV HPELNGAAYR YPPGVVGVAP TGIPAAVEGI  
 VPSAMSLSHG LPPVAHPPHA PSPGQTVKPE ADRDHASDQL

**Sequence Similarities**


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

## GENE INFORMATION

<b>Gene Name</b>	CTBP1 C-terminal binding protein 1 [ Homo sapiens ]
<b>Official Symbol</b>	CTBP1
<b>Synonyms</b>	CTBP1; C-terminal binding protein 1; C-terminal-binding protein 1; BARS; brefeldin A ribosylated substrate;
<b>Gene ID</b>	1487
<b>mRNA Refseq</b>	NM_001328
<b>Protein Refseq</b>	NP_001319
<b>MIM</b>	602618
<b>Uniprot ID</b>	Q13363

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<b>Chromosome Location</b>	4p16
<b>Pathway</b>	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;
<b>Function</b>	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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