Recombinant Human CTBP2

Cat. No. CTBP2-28021TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CTBP2 with N terminal proprietary tag; Predicted MWt 75.06 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	445 amino acids
Description	This gene produces alternative transcripts encoding two distinct proteins. One protein is a transcriptional repressor, while the other isoform is a major component of specialized synapses known as synaptic ribbons. Both proteins contain a NAD+ binding domain similar to NAD+-dependent 2-hydroxyacid dehydrogenases. A portion of the 3 untranslated region was used to map this gene to chromosome 21q21.3; however, it was noted that similar loci elsewhere in the genome are likely. Blast analysis shows that this gene is present on chromosome 10.
Molecular Weight	75.060kDa inclusive of tags
Tissue specificity	Ubiquitous. Highest levels in heart, skeletal muscle, and pancreas.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MALVDKHKVKRQRLDRICEGIRPQIMNGPLHPRPLVALLD GRDCTVEMPILKDLATV AFCDAQSTQEIHEKVLNEAVGAM MYHTITLTREDLEKFKALRVIVRIGSGYDNVDIKA AGELG IAVCNIPSAAVEETADSTICHILNLYRRNTWLYQALREGT RVQSVEQIREVA SGAARIRGETLGLIGFGRTGQAVAVRAK AFGFSVIFYDPYLQDGIERSLGVQRVYTL QDLLYQSDCVS LHCNLNEHNHHLINDFTIKQMRQGAFLVNAARGGLVDEKA LAQAL KEGRIRGAALDVHESEPFSFAQGPLKDAPNLICTP HTAWYSEQASLEMREAAATEIR RAITGRIPESLRNCVNKE FFVTSAPWSVIDQQAIHPELNGATYRYPPGIVGVAPGGL P AAMEGIIPGGIPVTHNLPTVAHPSQAPSPNQPTKHGDNRE HPNEQ
Sequence Similarities	Belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family.

GENE INFORMATION

Gene Name	CTBP2 C-terminal binding protein 2 [Homo sapiens]
Official Symbol	CTBP2
Synonyms	CTBP2; C-terminal binding protein 2; C-terminal-binding protein 2; ribeye;
Gene ID	1488
mRNA Refseq	NM_001329
Protein Refseq	NP_001320

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MIM	602619
Uniprot ID	P56545
Chromosome Location	10q26.13
Pathway	Chronic myeloid leukemia, organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved biosystem; Pathways in cancer, organism-specific biosystem;
Function	NAD binding; cofactor binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor; protein binding;

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