

## Recombinant Human CTBP2 cell lysate

Cat. No. CTBP2-417HCL    Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Species        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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 <sup>+</sup> binding domain similar to NAD <sup>+</sup> -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. |
| Size           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Storage Buffer | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applications   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### 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; |

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|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 1488                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>         | NM_001083914                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_001077383                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>                 | 602619                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>          | P56545                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Chromosome Location</b> | 10q26.13                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Pathway</b>             | 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; Wnt Signaling Pathway NetPath, organism-specific biosystem; Wnt Signaling Pathway and Pluripotency, organism-specific biosystem; |
| <b>Function</b>            | NAD binding; cofactor binding; oxidoreductase activity; oxidoreductase activity, acting on the CH-OH group of donors, NAD or NADP as acceptor; protein binding;                                                                                                                                                                                                                             |