

Product datasheet for **SC215904**

CTBP2 (NM_001329) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CTBP2 (NM_001329) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CTBP2
ACCN:	NM_001329
Insert Size:	2000 bp



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Insert Sequence: >SC215904 3'UTR clone of NM_001329
 The sequence shown below is from the reference sequence of NM_001329. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GACAATCGAGAGCACCCCAACGAGCAATAGCAGAGAATGCCAGAAGTAATCACTCAGATACACTTGGG
ACCAAGAGACAGTGAAAAATAGATGAACTAAGAGAAAAAAGAAATCGGATGGTCTTTGTAAGTATTCTGG
ACATATGCATCATTGATGTTGCAGTGTGAACTACAAGAGCTAGAAAAGTGAAGATGTCGTCTGCTTA
CGGAAGCGCTGAAAGACTAGGATGTGATTTATTAACGACCAACTTCTGTTATTGTGTGTTAAGTTTTTC
ATCTGTGCATCAAATCACAAAAAGAATAAATAGAGCTTTTTCTTTATCAGTCCCTTGGGCACAGCAGG
TCCTGAACACCCTGCTCTACAATGTTGCATCAAGAGTTCAAACAACAAAAATAAAAAATTAAGAGGAA
ATCCCCATCCTGTGACTTGAGTCCCTTAAGTCTACAGGGGCTGGTGACCTCTTTTGTCTAATAGGAAAA
TCACATTACTACAAAATGGGGAGAAAAGTGTTCCTGTGGTAGACACCTGCACGCATAGGATTGAAGA
CAGTACAGGCTGCTGTACAGAGAAGCGCCTCTCACATCTGAACTGCATCTGAGCGGGCAAGTCGGTTG
TAAGTTCAGTAAAACCCCTCTGATGATGCAAAAAAAAAAAAAAAAAAGTATTAAAGTTTACAAGCTGTTTGT
ACTCAAATATATTTTCTCAGTTTCAGATCCTCTGCTATTTTATTGAGTGGAAAGTCTTGAGCTAAAAGG
GTTCAAGAAGAATAATGTTGCATTTCTTATGTCTCAGGAAACACTTTTTATGGTAACTTGTGAGATTG
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CTAATGTAATGTTCTCTACTTGAGATGTTAAGGCAATTGCATTGTCAATTAGCCAATTTCCAGCTCT
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CTAACAAACAAAAATGATATTTACAAAGAAGTGTGCAAAATAGTCCCATGAGTTAAGAGCTTGATTTAAT
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ATCATGGTGTCTTAAAGCCTTTGGCTTGGCTGGCCTTGTCTGCTCACTCATTTTAAAGGTGGTGGCCCA
TCCCAACTCTACCATAAAAGTGTCTATTAACACAAGCTCACATGGAGAGAGACGGCGCTCATAGTTACT
GACCTATTACCCAGGGAACAAAAAGGTAGTTTAAAGTCTTTCGTAACCACTCATCAAAGAGGCAATGA
ACGCGTAAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001329.4](#)

Summary:

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. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]

Locus ID:

1488

MW:

77.6