

Product datasheet for SC119309

CTBP1 (NM_001328) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTBP1 (NM_001328) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTBP1
Synonyms:	BARS; HADDTS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119309 sequence for NM_001328 edited (data generated by NextGen Sequencing)

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ATGGGCAGCTCGCACTTGCTCAACAAGGGCCTGCCGCTTGGCGTCCGACCTCCGATCATG
AACGGGCCCTGCACCCGCGCCCTGGTGGCATTGCTGGATGGCCGGGACTGCACAGTG
GAGATGCCATCCTGAAGGACGTGGCCACTGTGGCCTTCTGCGACGCGCAGTCCACGCAG
GAGATCCATGAGAAGTCTGAACGAGGCTGTGGGGCCCTGATGTACCACCATCACT
CTCACCAGGGAGGACCTGGAGAAGTTCAAAGCCCTCCGCATCATCGTCCGGATTGGCAGT
GGTTTTGACAACATCGACATCAAGTCGGCCGGGATTTAGGCATTGCCGTCTGCAACGTG
CCCGCGGCGTCTGTGGAGGAGACGGCCGACTCGACGCTGTGCCACATCCTGAACCTGTAC
CGCGGGCCACCTGGCTGCACCAGGCGCTGCGGGAGGGCACACGAGTCCAGAGCGTCGAG
CAGATCCGCGAGGTGGCGTCCGGCGCTGCCAGGATCCGCGGGGAGACCTTGGGCATCATC
GGACTTGGTCCGCTGGGGCAGGCAGTGGCGCTGCGGGCCAAGGCCTTCGGCTTCAACGTG
CTTTCTACGACCCTTACTTGTCCGATGGCGTGGAGCGGGCGCTGGGGCTGCAGCGTGTG
AGCACCTGCAGGACCTGCTCTTCCACAGCGACTGCGTGACCCTGCACTGCGGCCTCAAC
GAGCACAACCACCTCATCAACGACTTACCCTCAAGCAGATGAGACAAGGGGCCCTTC
CTGGTGAACACAGCCCGGGTGGCCTGGTGGATGAGAAGGCGCTGGCCAGGCCCTGAAG
GAGGGCCGGATCCGCGGCGGGCCCTGGATGTGCACGAGTCCGAAACCCTTCACTTTAGC
CAGGGCCCTCTGAAGGATGCACCAACCTCATCTGCACCCCATGCTGCATGGTACAGC
GAGCAGCATCCATCGAGATGCGAGAGGAGGCGGCACGGGAGATCCGAGAGCCATCACA
GGCCGGATCCCAGACAGCCTGAAGAAGTGTGTCAACAAGGACCATCTGACAGCCGCCACC
CACTGGGCCAGCATGGACCCCGCGTCTGTGCACCCTGAGCTCAATGGGGTGCCTATAGG
TACCCTCCGGGCGTGGTGGGCGTGGCCCCACTGGCATCCAGCTGCTGTGGAAGGTATC
GTCCCCAGCGCATGTCCCTGTCCACGGCCTGCCCCCTGTGGCCACCCGCCACGCC
CCTTCTCTGGCCAAACCGTCAAGCCCGAGGCGGATAGAGACCACGCCAGTGACCAGTTG
TAG

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Clone variation with respect to NM_001328.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001328 unedited
 GTTCGAATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACCAGGCGGGGAGAC
 TCGGCACGGCGGGCCAGGCGCAGGCGGGCGGGCGGAGCAGCGGACGGCGCCGAGGCCG
 CCCACGCGCCGGGCTCGCGGCGGCGCAGCGCGCCGAGTGGTCGGGGCCCGGGCCGCT
 CGCGCCTCTCGATGGGACGCTCGCACTTGTCAACAAGGGCTGCCGCTTGGCGTCCGAC
 CTCCGATCATGAACGGGCCCCTGACCCCGGGCCCTGGTGGCATTGCTGGATGGCCGGG
 ACTGCACAGTGGAGATGCCATCCTGAAGGACGTGGCCACTGTGGCCTTCTGCGACGCGC
 AGTCCACGAGGAGATCCATGAGAAGTCTGAACGAGGCTGTGGGGCCCTGATGTACC
 ACACCATCACTCTCACCAGGGAGGACCTGGAGAAGTTCAAAGCCCTCCGCATCATCGTCC
 GGATTGGCAGTGGTTTTGACAACATCGACATCAAGTCGGCCGGNGATTTAGGCATTGCCG
 TCTGCAACGTGCCCGGGCGTCTGTGGAGGAGACGGNCGACTCGACGCTGTGCCACATCC
 TNGACCTGTACCGGGGGCCACCTGGCTGCACCAGGCGTGNCGGAGGGCACACGAGTCC
 AGAGCGTCGAGCAGATCCGCGAGGTGGCGTCCGGCGCTGCCAGGATCCGCGNGAGACCT
 TGGGCATCATCGNACTTNTCGCGTGGGGCAAGCAATGGCGCTGCGGNCCAAAGGCTTTC
 GCTTAACGTGCTTCTACGACCTTNACTTTGTGCAATGCGTGGACCGGCCCTGGGGCC
 TGACGCTGTAACACCCTTGACAGCTGGTTTTCCACAGNGACTGGNTGACCCTGCACCTG
 NNGGCTCTANGGAGCAACCACCACCTCATTNACGACTTTACCGNAAGCAATGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001328 unedited
 AAAAACTTTGGGGNCTATTTTACTCTTTTAAAATTGATACAAAGTTACAGTCACAAA
 CATGATTTTAAACAAAATATTGCTAGCCTACCACATCAGCAGGACGGCACTGGTGCAGGC
 GGGGACGCTGCCACCCTCCAGTCCCCAGGACAGACGTCGATGGGCAGCGGGCACGCTGG
 GCACCGCCAAGCTTTTCTTTTGGAGCTGCTTCTGTGATGCCGTCTTCATTTGGAACAAG
 GGGGGTTTCATGCCAAAATTAGGAAAAACAGCCTTTGTTTTGTTTTCTAAATTATTCTA
 AAAATAAGACAAGCAGGTAGAAAAACAATGCACTGTGTGGCATAAAAAGAAAAACGGGA
 AGGATTCATTGTCTGAGAAGTTTGCCAACTGCCTCATTCTGGGGCACGTTCCAACATAC
 AAAAAAAAAAAAAACAAAAAACCCTCAAATTGACTTCCAAATGCTCCTTCAGGTTT
 TCTTTTGTGACAGCTAAGCAAACAGATCCTTTGTAATGTTCTAAAACTGTACACAGA
 CAAGAAGTTCATGGGAGAATAACTACTGACTTCTTCTGCTTAACGAGGAACGCGAAGGA
 CACAGGGCAGAGCGCCACAGGACGGACGACGACAAGCGACACGAGGCCACGCGTGGCC
 CCTCCCGCCTCTGACAGCCCGGACCACTCTCTGCAGTGGCAGGGCCACCACACAGATGC
 CTCTCCACACACTCTGGTCCGAGGGTTTCCGGGCCCTTGCCAGGCGCCGAGGCTGGA
 GAGCTCTCCCGGCTACAACCTGGTCACTGGCGTGGTCTCTATCCGCTCGGGCTTGACG
 GTTTGGCCAGGATAAGGGGCGTGGGGCGGTGGGCCACAGGGGGCAG

Restriction Sites:

NotI-NotI

ACCN:

NM_001328

Insert Size:

2500 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001328.2</u> , <u>NP_001319.1</u>
RefSeq Size:	2288 bp
RefSeq ORF:	1323 bp
Locus ID:	1487
UniProt ID:	<u>Q13363</u>
Cytogenetics:	4p16.3
Domains:	2-Hacid_DH, 2-Hacid_DH_C
Protein Pathways:	Chronic myeloid leukemia, Notch signaling pathway, Pathways in cancer, Wnt signaling pathway
Gene Summary:	<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. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>