

Product datasheet for **MC222987**

Ctbp2 (NM_001170744) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbp2 (NM_001170744) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctbp2
Synonyms:	AA407280; D7Ertd45e; Gtrgeo6; Ribeye
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC222987 representing NM_001170744 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGTCCCAGCAGGCACATCAATATTGGCCGTTCTCAGAGCTGGGATGCTGCTGGCTGGTATGAGG
GCCCTGGGAGAATGCTGGACCTCCAGGGAGGAGAAGTTCTCTGACGTATGGCCCTGGAGAAGGGACCTG
GTGCGAGCTGCTAAACCATCGTGCCAGGATACTGAGTCTACCTGTCCCGGAAGCTTTTTATAACTCA
CTGGCATCAAGAAAGGGCTCCGTGCCTGACTTCACCTTCTACGACAGCAGGCAGGCAGTGTCTGGCC
GTGGCTCCGTGCTGCCACAAGACTACTATGGCGACCCATCCAGGGGCACCAGGGTACCCAAGGAGCTCC
TTCTATCGGGACCCAGGAACCAGCCGGCCGGTGCACGCTACGGAATGCTTGGCAGCAGAATGCCATGG
GAGCAGGTACAAGGCCAGTTACCTGCTCTCAGGACACTGGCCACCTGTACCCGGAATCTGGGGTAAAA
CTGTCCCGCATGGCCAGCGGACACACGGCAGGGCTCCATCTCCTGGGAGGTATGGAAGGGAACAGCCTGA
TACCAGATTAGGGATAGAGGTACCTACCTATCCCCAACTCCAGTCAGGTCTACAACGATATCTGCGAA
AGACCTGTTGACTCAACCCTGCCAGACAGGTGGCCCCAATGCCTGGTTGTGGACCCAGCTCAGCTG
TCCCTACTGAGAACAGCACGGGGTGGCCCCGGTTCCCTGAATAGAGGCTATGGCCTACCCGAGAAAG
CATCCATTCAAAGCTGGCTTATGAGAATTACGAAGCTGACTTGTCTACATTCCAAGGACCTGGGGCAAG
AGGACCATGTACCCTGAGTTTTTTGGCCCTGCTGAGGGCAGAGGGTGTGGCAGAGGCCACCCTAGCAGCCC
TGTTACAGCAAGGCTTTGACTCCCCAGCTGTCTTGGCCACCCTGGAGGATGCTGACATCAAGTCTGTTGC
ACCCAACCTGGGCCAGGCCGAGTCCTAAGCCGCTAGCCAGCAGCTGCAGGACAGAGATGCAGTTTCGG
AGACAGGACCCGACGGGCCCTCTACCCGCAATAGGTCCAGTAGCTTCCAGCCACCAGGAGTGTGCTGC
CCAATGACATGGCCTCACTGGGTACCACAGCCCTGCAGTTTACCCTGCTGGACCTTTCAGACACCCTC
TCCCCGAGCTGGAGATCTAGGTCCGCCGCCCTCCAGTGCACCTTCCAGCACCTCTTGGAGACAGCAGCT
ACTTATCCACCCAGTGGTGGGGTCCCAAACCCCACTTACCCTCCAACCTCTGGATATAGCTCTCCTA
CCCCCTGTGCCCTAACAGCACGGCTGGCCTCCTCATATCCTTACAAGCTGGGGTAGCCTTGACTGCTAA
CCCAGGCCCTCTGCTCCCTTCACTCAAATCCCAGAAGTGCCTACTCCACCTCGTACACGGTGCCCATG



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GAACTGCTTAAGAGGGAACGCAGCATGACCGCCTCTCCGCTGCCAGCCCGCACGGCAGCCCCAGCTCC
 TGGGAAACCTGGAGCAGCCCCGTGGAGCCGTCTACCCTGCCACCAGTCAGCCAAAGTCTCCACACACC
 TCATTCACCGTACCAGAAGGTGGCCCGGGACTGGGGCTCCCATCATCGTGTCAACCATGCTAACTCCA
 GAACCAAGTATCCGCCCCAGATCATGAACGGCCCCCTGCACCCCGCCCCCTGGTGGCACTGCTGGATG
 GCAGAGACTGCACTGTGGAGATGCCATCCTGAAGGACCTGGCCACTGTGGCCTTCTGTGATGCACAGTC
 CACTCAGGAAATCCATGAGAAGGTGTTGAATGAGGCTGTGGTGCCATGATGTACCACACCATCACCCCTC
 ACCAGGGAAGACCTGGAGAAGTCAAGGCCCTGAGAGTGATCGTGCGAATCGGTAGTGGCTACGACAACG
 TGGACATCAAGGCTGCTGGCGAGCTCGGGATCGCTGTGTGCAACATCCCATCTGCTGCAGTGGAGGAGAC
 AGCAGATTCGACAGTCTGCCACATTCTCAATCTGTATCGGCGGAACACATGGCTCTACCAGGCCCTCCGA
 GAAGGCACTCGAGTACAGAGTGTGGAACAGATCCGTGAGGTGCGCTCAGGAGCTGCTCGGATCCGAGGGG
 AAACACTGGGCCCTATTGGCTTTGGTCGCACAGGGCAGGCAGTTGCTGTTGAGCCAAGGCCTTTGGATT
 CAGCGTCATATTTATGACCCCTACTTACAGGATGGGATAGAACGATCTCTGGCGTGCAAAGGGTCTAC
 ACCCTGCAGGACTTGCTATATCAGAGCGACTGCGTCTCCTTGCCTGCAACCTGAACGAGCACACCATC
 ACCTCATCAATGACTTCACTATCAAGCAGATGAGGCAAGGTGCATTCTTGTGAATGCAGCCGAGGTGG
 CCTGGTGGATGAGAAAGCCTTAGCTCAGGCCCTCAAGGAGGGCAGGATACGAGGAGCTGCCCTGGATGTG
 CACGAGTCTGAGCCCTTCACTTCCGCCAGGGCCATTGAAGGATGCTCCAAATCTCATCTGCACACCAC
 ACACAGCCTGGTACAGTGAACAAGCATCACTAGAGATGAGGGAAGCAGCAGCCACTGAGATCCGCCGAGC
 AATCACAGGTGCGATCCAGAAAGCTTACGAAACTGTGTCAACAAAGAATTCTTCGTGACTTCAGCTCCT
 TGGTCAGTCATTGACCAGCAAGCAATTCACCCGAGCTCAATGGTGCCACATACAGGTATCCACCCGGCA
 TTGTAGGTGTGGCTCCAGGAGGGCTTCCAGCGATGGAAGGGATCATCCCTGGGGCATCCCCGTGAC
 TCACAACCTCCCCACAGTGGCACACCCCTCCAAGCTCCTCCCCAACCCAGCCCAAAAACACGGGGAC
 AATCGAGAGCACCCCAACGAGCAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001170744
- Insert Size:** 2967 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:**
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:** [NM_001170744.1](#), [NP_001164215.1](#)
- RefSeq Size:** 4170 bp
- RefSeq ORF:** 2967 bp

Locus ID: 13017

UniProt ID: [P56546](#)

Cytogenetics: 7 76.32 cM

Gene Summary: Corepressor targeting diverse transcription regulators. Isoform 2 probably acts as a scaffold for specialized synapses (By similarity). Functions in brown adipose tissue (BAT) differentiation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.