

Product datasheet for **MC215923**

Ctbp2 (NM_009980) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbp2 (NM_009980) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctbp2
Synonyms:	AA407280; D7Ertd45e; Gtrgeo6; Ribeye
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC215923 representing NM_009980
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCTTGTGGATAAGCACAAAGTCAAGCGGCAGCGATTGGACAGGATTTGTGAAGGTATCCGCCCCC
AGATCATGAACGGCCCCCTGCACCCCGCCCCCTGGTGGCACTGCTGGATGGCAGAGACTGCACTGTGGA
GATGCCCATCCTGAAGGACCTGGCCACTGTGGCCTTCTGTGATGCACAGTCCACTCAGGAAATCCATGAG
AAGGTGTTGAATGAGGCTGTGGGTGCCATGATGTACCACACCATCACCTCACCAGGGAAGACCTGGAGA
AGTTCAAGGCCCTGAGAGTGATCGTGCGAATCGGTAGTGGCTACGACAACGTGGACATCAAGGCTGTGG
CGAGCTCGGGATCGTGTGTGCAACATCCCATCTGCTGCAGTGGAGGAGACAGCAGATTCGACAGCTGC
CACATTCTCAATCTGTATCGGCGGAACACATGGCTCTACCAGGCCCTCCGAGAAGGCACTCGAGTACAGA
GTGTGGAACAGATCCGTGAGGTGCCTCAGGAGCTGCTCGGATCCGAGGGGAAACTGGCCCTCATTGG
CTTTGGTCGCACAGGGCAGGCAGTTGCTGTTTCGAGCCAAGGCCTTTGGATTTCAGCGTCATATTTTATGAC
CCCTACTTACAGGATGGGATAGAACGATCTCTGGGCGTGCAAAGGTCTACACCCCTGCAGGACTTGCAT
ATCAGAGCGACTGCGTCTCCTTGCAGTGAACCTGAACGAGCACAAACCATCACCTCATCAATGACTTCAC
TATCAAGCAGATGAGGCAAGGTGCATTCCCTTGTGAATGCAGCCCGAGGTGGCCTGGTGGATGAGAAAGCC
TTAGCTCAGGCCCTCAAGGAGGGCAGGATACGAGGAGCTGCCCTGGATGTGCACGAGTCTGAGCCCTTCA
GCTTCGCCCAGGGCCATTGAAGGATGCTCCAAATCTCATCTGCACACCACACAGCCTGGTACAGTGA
ACAAGCATCACTAGAGATGAGGGAAGCAGCAGCCACTGAGATCCGCCGAGCAATCACAGGTGCGATCCCA
GAAAGCTTACGAACTGTGTCAACAAAGAATTCTTCGTGACTTCAGCTCCTTGGTCAGTCCATTGACCAGC
AAGCAATTACCCCGAGCTCAATGGTGCCACATACAGGTATCCACCCGGCATTGTAGGTGGTGTCCAGG
AGGGCTTCCCTCCAGCGATGGAAGGGATCATCCCTGGGGGATCCCGGTGACTCACAACTCCCCACAGTG
GCACACCCTCCCAAGCTCCTTCCCAACAGCCACAAAACACGGGGACAATCGAGAGCACCCCAACG
AGCAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009980

Insert Size: 1338 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_009980.4, NP_034110.1](#)

RefSeq Size: 3047 bp

RefSeq ORF: 1338 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 (2) represents use of an alternate promoter and 5' splice pattern, compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.