

Product datasheet for **RN208365**

Ctbp2 (NM_053335) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbp2 (NM_053335) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ctbp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208365 representing NM_053335
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGGTCCACGACGGACATCAACATTGGCCGTTCTCAGAGCTGGGATGCCGCTGGCTGGTATGAGG
 GCCCTTGGGAGAATGCTGGCCCTCCAGGGAGGAGAAGTTCTTGACTTATGGCCCTGGAGAAGGGGCTG
 GTGTGAGCTGGTAAACCACCGTCCAGGACACTGAGTCCCTGCCTGTCCCGGGAAGCTTTTTATAACTCA
 CTGGCATCAAGAAAGGGCTCCGTGCCTGACTTCACCTTCTACGACAGCAGGCAGGAGTGTCTGGCC
 GTGGCTCCGTGCTGCCACAAGACTACTATGGCGACCCATCCAGGGGCACCAGGGTACCCAAGGAGCTCC
 CTTCTATCGGGACCCAGGAACCAGCCGGCCGGTGGCCAGCTACGGAGTGTGGGCAGCAGAATACCATGG
 GAGCAGGTACAAGGCCAGTTACCTGCTCTGCAGGATGTGGCCACCTGTACCGGGAATCTGGGAGTAAAA
 CTGTCTGCATGGGCAGCGGACACACTGCAGGGTCCATCTCCTGGGAGGTATGGAAGGGAACAACCTGA
 TTCTAGATTAGGGATAGAGGTACCCACCTATCCCCCAACTCCAGCCAGGTCTACAACGATATCTGCGAA
 AGACCCGTTGACTCTACCCATGCCAGACAGGTGGCCCAACATGCCTGGTTGTGGACCCAGCTCGACCC
 CCCTACTGAGAACAGCACGGGGTGGCCCCAGGTTCCCTGAATAGAGGCTACGGGCTACCCGAGAAAAG
 CATCCATTCAAAGCTGGCTTATGAGAATTATGAAGCCGACTTGTCAACATTCCAAGGACCCGGGGCAAG
 AGGACCGTCTACCTGAGTTTTTGGCCCTGCTGAGGGCAGAGGGTGTGGCAGAGGCTACCTGGCAGCCC
 TGTTACAACAAGGCTTTGACTCCCCAGCTGTCTTGGCCACCCTAGAGGATGTGCATCAAGTCTGTTGC
 CCCCACCTGGCCAGGCCCGTGTCTGAGCCGCTGGTCAAGCTGCAGGACAGAGATGCAGTTTCGG
 CGACAGGACCCGACAGGCCCTCCACCCGCCATCGGTCCAGTAGCTTACGCCACCGAAGTGCAGTCTGC
 CCAATGACACGGCCTCGCTGGGACCACAGCACTGCAGTTTACCCAGCTGGACCTTGGACACCCCTC
 TCCCGAGGTGGAGATCTAGGTCGCCGCCCTCCAGTGCACCTTCCAGCACCTCCTGGAGACAGCAGCT
 ACTTACTCTGCCCAGTGGTGGGGTCCCAGACTCCCACCTACCCTCCAACCTCTGGATATAGCTCTCCTA
 CCCCTTGTGCCCTAACAGCACGACTGGCCTCCTCCTACCCTTCAACAAGCTGGGGTAGCCTTGACTGCTAA
 CCCAGGCCCTCTGTCCCCCTTCACTCAAGTCCCAGAACAGCCTATTCCACCTCTACACGGTGGCCATG
 GAACTGCTTAAGAGGGAACGCAGTGTGACCGCCTCTCCGCTGCCAGCCCCATGCCAGCCCCCAGCTTC
 TGCGGAAACCTGGAGCAGCCCCGTGGAGCCGGTGGCCCTGCCACCAGTCAAGCAAGTCTCCACACACC
 TCATCCGCCATACCAGAAGGTGGCCCGGCGACAGGGGCTCCCATCATCGTGTCAACCATGCTAACACCA
 GAACCAAGTATCCGCCCCAGATCATGAACGGCCCTGCACCCCGCCCTAGTGGCACTGCTGGATG
 GCAGAGACTGCACTGTGGAATGCCATCCTGAAGGACCTGGCCACTGTGGCCTTCTGTGATGCACAGTC
 CACTCAGGAAATCCATGAGAAGGTATTGAATGAGGCTGTGGGCGCCATGATGTACCACACCATCACTCTC
 ACCCGGGAAGACCTGGAGAAGTTCAAGGCCCTGAGAGTGATTGTTGCAATCGGTAGTGGCTACGACAATG
 TGGACATCAAGGCTGTGGCGAACTCGGAATCGCCGTGTGCAACATCCCATCTGCTGCAGTGGAGGAGAC
 AGCAGATTCGACAGTCTGCCATATCCTCAATCTGTATCGCGGAACACATGGCTGTACCAGGCCCTACGA
 GAAGGCACGCGGGTACAAAGCGTGAACAGATCCGTGAGGTGCGCTCAGGAGCTGCTCGGATCCGAGGGG
 AAACACTGGGCCCTCATTGGCTTTGGTGCAGTGGCAGGCAAGTGTCTGTCGAGCCAAGGCCCTTTGGATT
 CAGCGTCATATTTATGACCCCTACTTACAGGATGGGATAGAGCGGTCTCTGGCCGTGCAAGGGTCTAC
 ACCCTGCAGGACTTGTTATATCAGAGCGACTGTGTCTCCTTGCAGTGAATCTGAATGAACACAACCACC
 ACCTCATCAATGACTTACCATCAAGCAGATGAGGCAAGGAGCATTCTTGTGAATGCAGCCCGAGGTGG
 CCTGGTGGATGAGAAAGCCTTAGCTCAGGCCCTCAAAGAGGGCAGGATACGAGGCGCTGCTCTGGATGTG
 CATGAGTCTGAGCCCTTCACTTTGCTCAGGGCCATTGAAGGATGCTCCAAATCTCATCTGCACACCAC
 ACACAGCCTGGTACAGCGAACAAAGCATCACTAGAGATGAGGGAAGCAGCTGCCACGGAGATCCGCCGAGC
 AATCACAGGTGCAATCCAGAAAGCTTACGAACTGTGTCAACAAAGAATTCTTTGTTACTTCAACTCCT
 TGGTCAGTCATTGACCAGCAAGCAATTCATCCTGAGCTCAATGGTCCACATACAGGTATCCACCAGGCA
 TTGTAGGTGTGGCTCCAGGAGGGCTTCTCCAGCTATGGAAGGGATCATCCCTGGAGGCATCCCTGTGAC
 TCACAACCTCCCACTGTGGCACACCCTTCCCAAGCTCCCTCCCAACCCAGCCACAAAACACGGGGAC
 AATCGAGAGCACCCCAACGAGCAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_053335
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:	<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:	NM_053335.1 , NP_445787.1
RefSeq Size:	3638 bp
RefSeq ORF:	2967 bp
Locus ID:	81717
UniProt ID:	Q9EQH5
Cytogenetics:	1q41
Gene Summary:	gene produces two transcripts; one protein is a transcriptional repressor, while the other isoform is a major component of synaptic ribbons [RGD, Feb 2006]