

Product datasheet for **MG206675**

Ctbp2 (BC013333) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbp2 (BC013333) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ctbp2
Synonyms:	AA407280; D7Ertd45e; Gtrgeo6; Ribeye
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206675 representing BC013333 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGGCCCCCTGCACCCCGCCCCCTGGTGGCACTGCTGGATGGCAGAGACTGCACTGTGGAGATGC
CCATCCTGAAGGACCTGGCCACTGTGGCCTTCTGTGATGCACAGTCCACTCAGGAAATCCATGAGAAGGT
GTTGAATGAGGCTGTGGGTGCCATGATGTACCACACCATACCCTCACCAGGGAAGACCTGGAGAAGTTC
AAGGCCCTGAGAGTGATCGTGCGAATCGGTAGTGGCTACGACAACGTGGACATCAAGGCTGCTGGCGAGC
TCGGGATCGCTGTGTGCAACATCCATCTGCTGCAGTGGAGGAGACAGCAGATTCGACAGTCTGCCACAT
TCTCAATCTGTATCGGCCGAACACATGGCTCTACCAGGCCCTCCGAGAAGGCACGGGAGTACAGAGTGTG
GAACAGATCCGTGAGGTGCCTCAGGAGCTGCTCGGATCCGAGGGGAAACACTGGGCCTCATTGGCTTTG
GTCGCACAGGGCAGGCAGTTGCTGTTCCGAGCCAAGGCCTTTGGATTACAGCGTCATATTTTATGACCCCTA
CTTACAGGATGGGATAGAGCGATCTCTGGGCGTGCAAAGGCTCTACACCTGCAGGACTTGTATATCAG
AGCGACTGCGTCTCCTTGCACTGCAACCTGAACGAGCACAACCATCACCTCATCAATGACTTCACTATCA
AGCAGATGAGGCAAGGTGCATTCCTTGTGAATGCAGCCGAGGTGGCCTGGTGGATGAGAAAAGCCTTAGC
TCAGGCCCTCAAGGAGGGCAGGATACGAGGAGCTGCCCTGGATGTGCACGAGTCTGAGCCCTTCAAGCTTC
GCCAGGGCCATTGAAGGATGCTCAAATCTCATCTGCACACCACACAGCCTGGTACAGTGAACAAG
CATCACTAGAGATGAGGGAAGCAGCAGCCACTGAGATCCGCCGAGCAATCACAGGTCGCATCCAGAAAG
CTTACGAAACTGTGTCAACAAAGAATTCTCGTGACTTCACTCCTTGGTCAAGTATTGACCAGCAAGCA
ATTACCCCGAGCTCAATGGTGCCACATACAGGTATCCACCCGGCATTGTAGGTGTGGTCCAGGAGGGC
TTCTCCAGCGATGGAAGGGATCATCCCTGGGGGCATCCCGTGACTCACAACCTCCCCACAGTGGCACA
CCCCTCCAAGCTCCTTCCCCAACCCAGCCACAAAACACGGGGACAATCGAGAGCACCCCAATGAGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206675 representing BC013333
 Red=Cloning site Green=Tags(s)

MNGPLHPRPLVALLDGRDCTVEMPILKDLATVAFCAQSTQEIHEKVLNEAVGAMMYHTITLTREDLEKF
 KALRVIVRIGSGYDNVDIKAAGELGIAVCNIPSAAVEETADSTVCHILNL YRRNTWLYQALREGTRVQSV
 EQIREVASGAARIRGETLGLIGFGRTGQAVAVRAKAFGFSVIFYDPYLQDGIERSLGVQRVYTLQDLLYQ
 SDCVSLHCNLNEHNHHLINDFTIKQMRQGAFLVNAARGGLVDEKALAQALKEGRIRGAALDVHESEPF SF
 AQGPLKDAPNLICTPHTAWYSEQASLEMREAAATEIRRAITGRIPESLRNCVNKEFFVTSAPWSVIDQQA
 IHPELNGATYRYPPIVGVAPGGLPPAMEGIIPGGIPVTHNLPVVAHPSQAPSPNQPTKHGDNREHPNEQ

TRTRPLE - GFP Tag - V

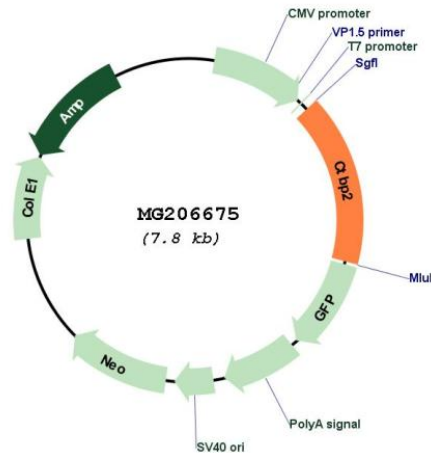
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC013333

ORF Size:	1260 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	BC013333.1
RefSeq Size:	1982 bp
RefSeq ORF:	1262 bp
Locus ID:	13017
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]