

Product datasheet for **RG208594**

CTBP1 (NM_001012614) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTBP1 (NM_001012614) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CTBP1
Synonyms:	BARS; HADDTS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208594 representing NM_001012614 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGGCGTCCGACCTCCGATCATGAACGGGCCCTGCACCCGCGGCCCTGGTGGCATTGCTGGATG
GCCGGGACTGCACAGTGGAGATGCCATCCTGAAGGACGTGGCCACTGTGGCCTTCTGCGACGCGCAGTC
CACGCAGGAGATCCATGAGAAGGTCTGAACGAGGCTGTGGGGCCCTGATGTACCACACCATCACTCTC
ACCAGGGAGGACCTGGAGAAGTTCAAAGCCCTCCGCATCATCGTCCGGATTGGCAGTGGTTTTGACAACA
TCGACATCAAGTCGGCCGGGATTTAGGCATTGCCGTCTGCAACGTGCCCGCGCTCTGTGGAGGAGAC
GGCCGACTCGACGCTGTGCCACATCCTGAACCTGTACCGCGGGCCACCTGGCTGCACCAGGCGCTGCGG
GAGGGCACACGAGTCCAGAGCGTCGAGCAGATCCGCGAGGTGGCTCCGGCGCTGCCAGGATCCGCGGGG
AGACCTTGGGCATCATCGGACTTGGTCGCGTGGGGCAGGCACTGGCGCTGCGGGCCAAGGCCCTTCGGCTT
CAACGTGCTCTTCTACGACCCCTTACTTGTCCGATGGCGTGGAGCGGGCGCTGGGGCTGCAGCGTGTGAGC
ACCCTGCAGGACCTGCTCTTCCACAGCGACTGCGTGACCTGCACTGCGGCCCTCAACGAGCACAACCACC
ACCTCATCAACGACTTCACCGTCAAGCAGATGAGACAAGGGGCCCTTCTGGTGAACACAGCCCGGGTGG
CCTGGTGGATGAGAAGGCGCTGGCCAGGCCCTGAAGGAGGGCCGGATCCGCGCGCGGCCCTGGATGTG
CACGATCGGAACCCCTCAGCTTTAGCCAGGGCCCTCTGAAGGATGCACCAACCTCATCTGCACCCCCC
ATGCTGCATGGTACAGCGAGCAGGCATCCATCGAGATGCCGAGAGGAGGCGCACGGGAGATCCGACAGAGC
CATCACAGGCCGGATCCAGACAGCCTGAAGAAGTGTGTCAACAAGGACCATCTGACAGCCGCCACCCAC
TGGGCCAGCATGGACCCCGCGTCTGACCCCTGAGCTCAATGGGGCTGCCTATAGGTACCTCCGGGCG
TGGTGGGCGTGGCCCCACTGGCATCCAGCTGCTGTGGAAGGTATCGTCCCCAGCGCCATGTCCCTGTC
CCACGGCTGCCCCCTGTGGCCACCCGCCACGCCCTTCTCCTGGCCAAACCGTCAAGCCCGAGGCG
GATAGAGACCACGCCAGTGACCAATTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208594 representing NM_001012614
Red=Cloning site Green=Tags(s)

MSGVRRPPIMNGPLHPRPLVALLDGRDCTVEMPILKDVATVAFCDASTQEIHEKVLNEAVGALMYHTITL
TREDLEKFKALRIIVRIGSGFDNIDIKSAGDLGIAVCNVPAASVEETADSTLCHILNLYRRATWLHQALR
EGTRVQVSQVQIREVASGAARIRGETLGIIGLGRVGOAVALRAKAFGNVLFYDPYLSDGVERALGLQRVS
TLQDLLFHSDCVTLHCGLNEHNHHLINDFTVKQMRQGAFLVNTARGGLVDEKALAQALKEGRIRGAALDV
HESEPF SFSQGPLKDAPNLICTPHAAWYSEQASIEEMREEAAREIRRAITGRIPDSLKNCVNKDHLTAATH
WASMDPAVVHPELNGAAYRPPGVVGVAPTGIPAAVEGIVPSAMSLSHGLPPVAHPPHAPSPGQTVKPEA
DRDHASDQL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001012614

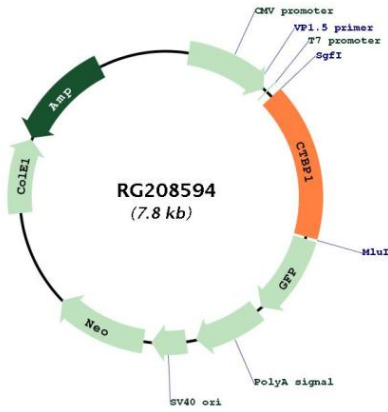
ORF Size: 1287 bp

OTI Disclaimer: 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.

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](#)

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:	<u>NM_001012614.2</u>
RefSeq Size:	2483 bp
RefSeq ORF:	1290 bp
Locus ID:	1487
UniProt ID:	<u>Q13363</u>
Cytogenetics:	4p16.3
Protein Pathways:	Chronic myeloid leukemia, Notch signaling pathway, Pathways in cancer, Wnt signaling pathway
Gene Summary:	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]

Product images:



Circular map for RG208594