

Product datasheet for **MR223054**

Ctbp1 (NM_013502) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbp1 (NM_013502) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctbp1
Synonyms:	BARS; CtBP3/BARS; D4S115h; D5H4S115; D5H4S115E
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR223054 representing NM_013502
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCAGCTCCCACTTGCTCAACAAGGGCCTGCCGCTGGGCGTCCGACCTCCCATCATGAACGGGCCCA
 TGCACCCCGGCCCTGGTGGCGCTGCTGGATGGCCGGGACTGCACAGTGGAGATGCCTATCCTGAAGGA
 TGTGGCCACAGTAGCCTTCTGTGATGCACAGTCCACACAGGAGATCCATGAGAAGTACTGAATGAGGCT
 GTGGGTGCCCTGATGTACCATACCATCACACTGACCAGAGAAGATCTGGAGAAGTTAAAGCTCTTAGAA
 TCATCGTCCGAATTGGCAGCGGGTTTGACAATATCGACATCAAGTCAGCTGGGGATCTAGGCATCGCAGT
 GTGCAATGTGCCGCAGCATCTGTGGAAGAAACGGCAGACTCCACCCTGTCCACATCCTGAACCTGTAC
 CGACGAACCACCTGGCTACACCAGGCCCTTCGGGAAGGCACTCGAGTCCAGAGTGTAGAGCAGATCCGAG
 AGGTGGCTTCAGGAGCTGCCAGGATCCGTGGAGAGACCTTGGGCATCATTGGACTAGGTCGTGTGGCCA
 GGCGGTGGCACTTCGGGCAAAGGCTTTTGGCTCAACGTCTCTTCTATGATCCATACCTATCTGATGGA
 ATCGAGCGGGCCCTGGGGCTACAGCGCGTGGAGCAGCTGCAGGACCTGCTCTCCACAGTACTGGTTA
 CCCTGCATTGCGGCCTCAATGAGCACAACCACCACCTCATCAATGACTTTACTGTCAAGCAGATGAGACA
 AGGAGCCTTTCTGGTGAACACAGCCCGTGGTGGCTGGTGGATGAGAAGGCACTGGCCCAGGCCCTGAAG
 GAAGGGCGGATCCGTGGCGCAGCGCTGGACGTGCATGAGTCAGAGCCCTTCAGCTTTAGCCAGGGACCTT
 TAAAGGATGCACCAACCTCATCTGCACACCCATGCTGCATGGTACAGTGAAGCAGGCGTCCATTGAGAT
 GAGAGAGGAGGCAGCCCGGAAATCCGGCGAGCCATCACAGGCCGGATCCCAGATAGCTTGAAAACTGT
 GTCAACAAGGACCACCTGACAGCCGCCACGCAGCTGGGCCAGCATGGACCTGCTGTGGTGCACCTGAGC
 TCAATGGGGCTGCCTACAGCAGGTACCCTCCAGGCGCTGTGAGTGTGGCCCCACTGGCATCCCAGCTGC
 TGTGGAAGGGATTGTTCCAGTGCATGTCCCTGTCTCATGGCCCTGCCCCCTGTGGCCACCCACCCAC
 GCTCCCTCTCTGGCCAGACTGTCAAGCCTGAGGCGGATAGAGACCATACGAGTGACCAGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223054 representing NM_013502
 Red=Cloning site Green=Tags(s)

MGSSHLLNKGLPLGVRPPIMNGPMHRPLVALLDGRDCTVEMPIILKDVATVAFCDQSTQEIHKEVLNEA
 VGALMYHTITLTREDLEKFKALRIIVRIGSGFDNIDIKSAGDLGIAVCNVPAASVEETADSTLCHILNLY
 RRTTWLHQALREGTRVQSVQIREVASGAARIRGETLGIIGLGRVGOAVALRAKAFGNVLFYDYPYSDG
 IERALGLQRVSTLQDLLFHSDCVTLHCGLNEHNHHLINDFTVKQMRQGAFLVNTARGGLVDEKALAQALK
 EGRIRGAALDVHESEPF SFSQGPLKDAPNLICTPHAAYSEQASIEMREEAAREIRRAITGRIPDSLKNC
 VNKDHLTAATHWASMDPAVVHPELNGAAYSRYPPGVVSVAPTGIPAAVEGIVPSAMSLSHGLPPVAHPPH
 APSPGQTVKPEADRDHTSDQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9075_a10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_013502

ORF Size: 1323 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).

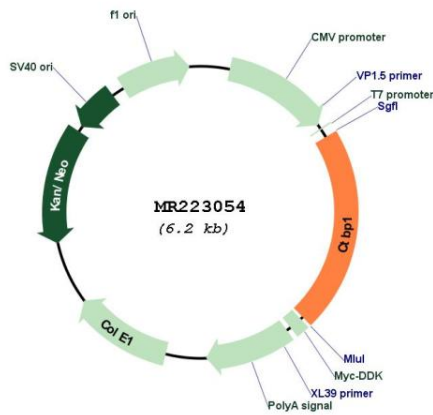
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_013502.3](#), [NP_038530.1](#)

RefSeq Size: 2305 bp
 RefSeq ORF: 1326 bp
 Locus ID: 13016
 UniProt ID: [O88712](#)
 Cytogenetics: 5 17.52 cM
 MW: 47.7 kDa

Gene Summary: Corepressor targeting diverse transcription regulators such as GLIS2 or BCL6. Has dehydrogenase activity. Involved in controlling the equilibrium between tubular and stacked structures in the Golgi complex. Functions in brown adipose tissue (BAT) differentiation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223054