

Product datasheet for **RR214529**

Ctbp1 (NM_019201) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbp1 (NM_019201) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctbp1
Synonyms:	50-kDaBFA-inducedADP-ribosylatedsubstrate; Bars; BARS-50; CtBP3/BARS
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214529 representing NM_019201 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCAGGCGTCCGACCTCCCATCATGAACGGGCCATGCACCCCGGCCCTGGTGGCGCTGCTGGATG
GCCGGGACTGCACAGTGGAGATGCCTATCCTGAAGGATGTGGCCACAGTAGCCTTCTGTGATGCGCAGTC
CACACAGGAGATCCATGAGAAGTACTGAATGAGGCAGTGGCGCCCTGATGTACCATACCATCACACTG
ACCAGAGAAGATCTGGAGAAGTTTAAAGCTCTCAGAATCATCGTCCGAATTGGCAGCGGGTTTGACAACA
TAGACATCAAGTCAGCTGGTGTCTAGGCATCGCAGTGTGCAATGTACCAGCAGCATCTGTGGAAGAAAC
AGCAGACTCCACCTGTGCCACATTCTGAACCTATACCGACGAACTACCTGGCTACACCAGGCACTTCGG
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ACCTCATCAATGACTTCACAGTCAAGCAGATGAGACAAGGAGCCTTCCTGGTGAACACAGCCCGTGGTGG
CCTGGTGGATGAGAAGGCACTAGCCAGGCCCTGAAGGAAGGGCGGATCCGTGGCGCAGCGCTGGACGTG
CATGAGTCAGAGCCTTTCAGCTTATGCCAGGGACCCTTAAAGGATGCACCCAACCTCATCTGCACCCCC
ATGCTGCATGGTACAGTGAAGGCGTCCATTGAGATGCGAGAGGAGGCAGCCCGGAAATCCGACGAGC
CATCACAGGCCGATCCCAGATAGCTTGAAAACTGTGTCAACAAGGACCACCTGACAGCTGCCACCCAC
TGGGCCAGCATGGACCCTGCTGTGGTGCACCCTGAGCTCAATGGGGCTGCCTACAGCAGGTACCCTCCAG
GTGTGGTGAAGTGTGGCCCCACTGGCATCCCAGCTGCTGTGGAAGGATTTGTTCCAGCGCCATGTCCCT
GTCCCATGGCCTGCCCTGTGGCCACCCACCCACGCTCCTTCTCCTGGCCAGACTGTCAAGCCTGAG
GCGGATAGAGACCATACGACTGACCAGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214529 representing NM_019201
 Red=Cloning site Green=Tags(s)

MSGVRRPPIMNGPMHPRPLVALLDGRDCTVEMPILKDVATVAFCDQSTQEIHEKVLNEAVGALMYHTITL
 TREDLEKFKALRIIVRIGSGFDNIDIKSAGDLGIAVCNVAASVEETADSTLCHILNLYRRTTWLHQALR
 EGTRVQSVSEQIREVASGAARIRGETLGIIGLGRVGOAVALRAKAFGFNVLFYDPYLSDGIERALGLQRVS
 TLQDLLFHSDCVTLHCGLNEHNHLLINDFTVKQMRQGAFLVNTARGGLVDEKALAQALKEGRIRGAALDV
 HESEPF5FSQGPKDAPNLICTPHAAYSEQASIEEMREEAAREIRRAITGRIPDSLKNCVNKDHLTAATH
 WASMDPAVVHPELNGAAYSRYPPGVVSVAPTGIPAAVEGIVPSAMSLSHGLPPVAHPPHAPSPGQTVKPE
 ADRDHTTDQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

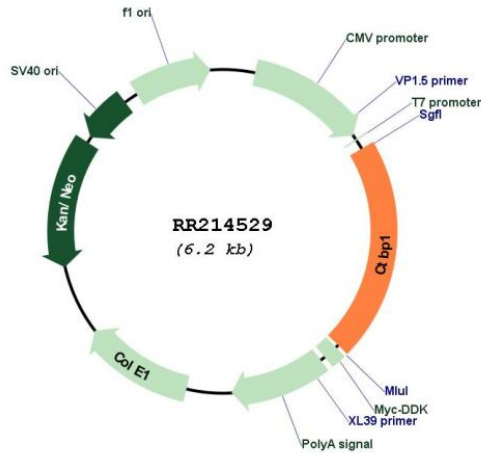
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_019201

ORF Size:	1290 bp
OTI Disclaimer:	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:	NM_019201.3 , NP_062074.2
RefSeq Size:	2420 bp
RefSeq ORF:	1293 bp
Locus ID:	29382
UniProt ID:	Q9Z2F5
Cytogenetics:	14q21
MW:	46.6 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]