

Product datasheet for RN214529

Ctbp1 (NM_019201) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbp1 (NM_019201) Rat Untagged Clone
Tag:	Tag Free
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
Fully Sequenced ORF:	>RN214529 representing NM_019201 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCAGGCGTCCGACCTCCCATCATGAACGGGCCATGCACCCCGGCCCTGGTGGCGCTGCTGGATG
GCCGGGACTGCACAGTGGAGATGCCTATCCTGAAGGATGTGGCCACAGTAGCCTTCTGTGATGCGCAGTC
CACACAGGAGATCCATGAGAAGTACTGAATGAGGCAGTGGCGCCCTGATGTACCATACCATCACACTG
ACCAGAGAAGATCTGGAGAAGTTAAAGCTCTCAGAATCATCGTCCGAATTGGCAGCGGGTTTGACAACA
TAGACATCAAGTCAGCTGGTGTCTAGGCATCGCAGTGTGCAATGTACCAGCAGCATCTGTGGAAGAAAC
AGCAGACTCCACCTGTGCCACATTCTGAACCTATACCGACGAACTACCTGGCTACACCAGGCACTTCGG
GAAGGCACTCGGGTCCAGAGTGTAGAGCAGATCCGAGAGGTGGCTTCAGGAGCTGCCAGGATCCGTGGAG
AGACCTTGGGCATCATTGGACTAGGTCTGTGGCCAGGCGTGGCACTTCGGGCAAAGGCTTTTGGCTT
CAACGCTCTTCTATGACCCATACCTATCTGATGGAATCGAGCGGGCCCTGGGGCTGCAGCGTGTGAGC
ACACTGCAGGACCTGCTCTTCCACAGTACTGCGTTACCCTGCATTGCGGCCTCAATGAGCACAACCACC
ACCTCATCAATGACTTCACAGTCAAGCAGATGAGACAAGGAGCCTTCTGGTGAACACAGCCCGTGGTGG
CCTGGTGGATGAGAAGGCACTAGCCAGGCCCTGAAGGAAGGGCGGATCCGTGGCGCAGCGCTGGACGTG
CATGAGTCAGAGCCTTTCAGCTTATGCCAGGGACCCCTAAAGGATGCACCCAACCTCATCTGCACCCCC
ATGCTGCATGGTACAGTGAAGGCGTCCATTGAGATGCGAGAGGAGGCAGCCCGGAAATCCGACGAGC
CATCACAGGCCGGATCCCAGATAGCTTGAAAACTGTGTCAACAAGGACCACCTGACAGCTGCCACCCAC
TGGGCCAGCATGGACCCTGCTGTGGTGCACCCTGAGCTCAATGGGGCTGCCTACAGCAGGTACCCTCCAG
GTGTGGTGAAGTGTGGCCCCACTGGCATCCCAGCTGCTGTGGAAGGATTTGTTCCAGCGCCATGTCCCT
GTCCATGGCCTGCCCTGTGGCCACCCACCCACGCTCCTTCTCCTGGCCAGACTGTCAAGCCTGAG
GCGGATAGAGACCATACGACTGACCAGTT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_019201
Insert Size:	1293 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:	<u>NM_019201.3</u> , <u>NP_062074.2</u>
RefSeq Size:	2420 bp
RefSeq ORF:	1293 bp
Locus ID:	29382
UniProt ID:	<u>Q9Z2F5</u>
Cytogenetics:	14q21
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]