

Product datasheet for MC227716

Ctbp1 (NM_001198859) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbp1 (NM_001198859) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctbp1
Synonyms:	BARS; CtBP3/BARS; D4S115h; D5H4S115; D5H4S115E
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227716 representing NM_001198859 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAGCTCCCCTTGTCTCAACAAGGGCCTGCCGCTGGGCGTCCGACCTCCCATCATGAACGGGCCCCA
TGCACCCCGGCCCTGGTGGCGCTGCTGGATGGCCGGGACTGCACAGTGGAGATGCCTATCCTGAAGGA
TGTGGCCACAGTAGCCTTCTGTGATGCACAGTCCACACAGGAGATCCATGAGAAGGTTAAAGCTCTTAGAA
GTGGGTGCCCTGATGTACCATACCATCACACTGACCAGAGAAGATCTGGAGAAGTTAAAGCTCTTAGAA
TCATCGTCCGAATTGGCAGCGGGTTTGACAATATCGACATCAAGTCAGCTGGGGATCTAGGCATCGCAGT
GTGCAATGTGCCGGCAGCATCTGTGGAAGAAACGGCAGACTCCACCCTGTGCCACATCCTGAACCTGTAC
CGACGAACCACCTGGCTACACCAGGCCCTTCGGGAAGGCACTCGAGTCCAGAGGTAGAGCAGATCCGAG
AGGTGGCTTCAGGAGCTGCCAGGATCCGTGGAGAGACCTTGGGCATCATTGGACTAGGTCGTGGGCCA
GGCGGTGGCACTTCGGGCAAAGGCTTTGGCTTCAACGTCCTCTTCTATGATCCATACCTATCTGATGGA
ATCGAGCGGGCCCTGGGGCTACAGCGCTGAGCACGCTGCAGGACCTGCTCTCCACAGTGACTGCGTTA
CCCTGCATTGCGGCCTCAATGAGCACAACCACCCTCATCAATGACTTTACTGTCAAGCAGATGAGACA
AGGAGCCTTTCTGGTGAACACAGCCCGTGGTGGCTGGATGAGAAGGCACTGGCCAGGCCCTGAAG
GAAGGGCGGATCCGTGGCGCAGCGCTGGACGTGCATGAGTCAGAGCCCTCAGCTTTAGCCAGGGACCT
TAAAGGATGCACCAACCTCATCTGCACACCCCATGCTGCATGGTACAGTGAAGGCGTCCATTGAGAT
GAGAGAGGAGGCAGCCCGGAAATCCGGCGAGCCATCACAGGCGGATCCAGATAGCTTAAAACTGT
GTCAACAAGGACCACCTGACAGCCGCCACGCACTGGGCCAGCATGGACCTGCTGTGGTGCACCCTGAGC
TCAATGGGGTGCCTACAGGTACCCTCCAGGCGTGTGAGTGTGGCCCCACTGGCATCCAGCTGCTGT
GGAAGGGATTGTCCAGTGCCATGTCCCTGTCTCATGGCCTGCCCCCTGTGGCCACCCACCCACGCT
CCCTCTCTGGCCAGACTGTCAAGCCTGAGGCGGATAGAGACCATACGAGTGACCAGTTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001198859
Insert Size:	1323 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001198859.1</u> , <u>NP_001185788.1</u>
RefSeq Size:	2302 bp
RefSeq ORF:	1323 bp
Locus ID:	13016
UniProt ID:	<u>O88712</u>
Cytogenetics:	5 17.52 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) uses an alternate in-frame splice site in the 3' coding region compared to variant 3. It encodes a shorter isoform (1) compared to isoform 3.</p>