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Product datasheet for MC227657

Ctbp1 (NM_001198860) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbp1 (NM_001198860) 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:

>MC227657 representing NM_001198860
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGGCGTCCGACCTCCCATCATGAACGGGCCCATGCACCCCCGGCCCCTGGTGGCGCTGCTGGATG
GCCGGGACTGCACAGTGGAGATGCCTATCCTGAAGGATGTGGCCACAGTAGCCTTCTGTGATGCACAGTC
CACACAGGAGATCCATGAGAAGGTACTGAATGAGGCTGTGGGTGCCCTGATGTACCATACCATCACACTG
ACCAGAGAAGATCTGGAGAAGTTTAAAGCTCTTAGAATCATCGTCCGAATTGGCAGCGGGTTTGACAATA
TCGACATCAAGTCAGCTGGGGATCTAGGCATCGCAGTGTGCAATGTGCCGGCAGCATCTGTGGAAGAAAC
GGCAGACTCCACCCTGTGCCACATCCTGAACCTGTACCGACGAACCACCTGGCTACACCAGGCCCTTCGG
GAAGGCACTCGAGTCCAGAGTGTAGAGCAGATCCGAGAGGTGGCTTCAGGAGCTGCCAGGATCCGTGGAG
AGACCTTGGGCATCATTGGACTAGGTCGTGTGGGCCAGGCGGTGGCACTTCGGGCAAAGGCTTTTGGCTT
CAACGTCCTCTTCTATGATCCATACCTATCTGATGGAATCGAGCGGGCCCTGGGGCTACAGCGCGTGAGC
ACGCTGCAGGACCTGCTCTTCCACAGTGACTGCGTTACCCTGCATTGCGGCCTCAATGAGCACAACCACC
ACCTCATCAATGACTTTACTGTCAAGCAGATGAGACAAGGAGCCTTTCTGGTGAACACAGCCCGTGGTGG
CCTGGTGGATGAGAAGGCACTGGCCCAGGCCCTGAAGGAAGGGCGGATCCGTGGCGCAGCGCTGGACGTG
CATGAGTCAGAGCCCTTCAGCTTTAGCCAGGGACCCTTAAAGGATGCACCCAACCTCATCTGCACACCCC
ATGCTGCATGGTACAGTGAGCAGGCGTCCATTGAGATGAGAGAGGAGGCAGCCCGGGAAATCCGGCGAGC
CATCACAGGCCGGATCCCAGATAGCTTGAAAAACTGTGTCAACAAGGACCACCTGACAGCCGCCACGCAC
TGGGCCAGCATGGACCCTGCTGTGGTGCACCCTGAGCTCAATGGGGCTGCCTACAGGTACCCTCCAGGCG
TCGTGAGTGTGGCCCCCACTGGCATCCCAGCTGCTGTGGAAGGGATTGTTCCCAGTGCCATGTCCCTGTC
TCATGGCCTGCCCCCTGTGGCCCACCCACCCCACGCTCCCTCTCCTGGCCAGACTGTCAAGCCTGAGGCG
GATAGAGACCATACGAGTGACCAGTTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001198860
Insert Size:	1290 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:	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_001198860.1, NP_001185789.1
RefSeq Size:	2495 bp
RefSeq ORF:	1290 bp
Locus ID:	13016
UniProt ID:	O88712
Cytogenetics:	5 17.52 cM
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] Transcript Variant: This variant (2) contains an alternate exon in the 5' region, initiates translation at an alternate start codon, and uses an alternate in-frame splice site in the 3' coding region, compared to variant 3. It encodes a shorter isoform (2) with a distinct N-terminus compared to isoform 3.