

## Product datasheet for MC227659

### Ctbp1 (NM\_001198861) Mouse Untagged Clone

#### Product data:

|                      |  |
|----------------------|--|
| Product Type:        | Expression Plasmids  |
| Product Name:        | Ctbp1 (NM_001198861) 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: | >MC227659 representing NM_001198861<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCAGGCGTCCGACCTCCCATCATGAACGGGCCATGCACCCCGGCCCTGGTGGCGCTGCTGGATG  
GCCGGGACTGCACAGTGGAGATGCCTATCCTGAAGGATGTGGCCACAGTAGCCTTCTGTGATGCACAGTC  
CACACAGGAGATCCATGAGAAGTACTGAATGAGGCTGTGGGTGCCCTGATGTACCATACCATCACACTG  
ACCAGAGAAGATCTGGAGAAGTTAAAGCTCTTAGAATCATCGTCCGAATTGGCAGCGGGTTTGACAATA  
TCGACATCAAGTCAGCTGGGGATCTAGGCATCGCAGTGTGCAATGTGCCGCGAGCATCTGTGGAAGAAAC  
GGCAGACTCCACCTGTGCCACATCCTGAACCTGTACCGACGAACCACCTGGCTACACCAGGCCCTTCGG  
GAAGGCACTCGAGTCCAGAGTGTAGAGCAGATCCGAGAGGTGGCTTCAGGAGCTGCCAGGATCCGTGGAG  
AGACCTTGGGCATCATTGGACTAGGTCTGTGGCCAGGCGTGGCACTTCGGGCAAAGGCTTTTGGCTT  
CAACGCTCTTCTATGATCCATACCTATCTGATGGAATCGAGCGGGCCCTGGGGCTACAGCGCGTGAGC  
ACGCTGCAGGACCTGCTCTTCCACAGTACTGCGTTACCCTGCATTGCGGCCTCAATGAGCACAACCACC  
ACCTCATCAATGACTTTACTGTCAAGCAGATGAGACAAGGAGCCTTTCTGGTGAACACAGCCCGTGGTGG  
CCTGGTGGATGAGAAGGCACTGGCCAGGCCCTGAAGGAAGGGCGGATCCGTGGCGCAGCGCTGGACGTG  
CATGAGTCAGAGCCCTTACGCTTTAGCCAGGGACCCTAAAGGATGCACCAACCTCATCTGCACACCCC  
ATGCTGCATGGTACAGTGAAGGCGTCCATTGAGATGAGAGAGGAGGCAGCCCGGAAATCCGGCGAGC  
CATCACAGGCCGATCCCAGATAGCTTGAAAACTGTGTCAACAAGGACCACCTGACAGCCGCCACGAC  
TGGGCCAGCATGGACCCTGCTGTGGTGCACCCTGAGCTCAATGGGGTGCCTACAGCAGGTACCCTCCAG  
GCGTCGTGAGTGTGGCCCCACTGGCATCCCAGCTGCTGTGGAAGGGATTGTTCCAGTGCCATGTCCCT  
GTCTCATGGCCTGCCCTGTGGCCACCCACCCACGCTCCCTCTCCTGGCCAGACTGTCAAGCCTGAG  
GCGGATAGAGACCATACGAGTGACCAGTTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|                               |   |
|-------------------------------|---|
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>ACCN:</b>                  | NM_001198861  |
| <b>Insert Size:</b>           | 1293 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>   |
| <b>RefSeq:</b>                | <u><a href="#">NM_001198861.1</a></u> , <u><a href="#">NP_001185790.1</a></u>   |
| <b>RefSeq Size:</b>           | 2498 bp   |
| <b>RefSeq ORF:</b>            | 1293 bp   |
| <b>Locus ID:</b>              | 13016   |
| <b>UniProt ID:</b>            | <u><a href="#">O88712</a></u>   |
| <b>Cytogenetics:</b>          | 5 17.52 cM  |
| <b>Gene Summary:</b>          | <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 (4) contains an alternate exon in the 5' region and initiates translation at an alternate start codon, compared to variant 3. It encodes a shorter isoform (4) with a distinct N-terminus compared to isoform 3.</p> |