

## Product datasheet for MR229870

### Ctbp1 (NM\_001198861) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ctbp1 (NM\_001198861) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ctbp1  
**Synonyms:** BARS; CtBP3/BARS; D4S115h; D5H4S115; D5H4S115E  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229870 representing NM\_001198861  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCAGGCGTCCGACCTCCCATCATGAACGGGCCATGCACCCCGGCCCTGGTGGCGCTGCTGGATG  
 GCCGGGACTGCACAGTGGAGATGCCTATCCTGAAGGATGTGGCCACAGTAGCCTTCTGTGATGCACAGTC  
 CACACAGGAGATCCATGAGAAGTACTGAATGAGGCTGTGGGTGCCCTGATGTACCATACCATCACACTG  
 ACCAGAGAAGATCTGGAGAAGTTAAAGCTCTTAGAATCATCGTCCGAATTGGCAGCGGGTTTGACAATA  
 TCGACATCAAGTCAGCTGGGGATCTAGGCATCGCAGTGTGCAATGTGCCGCGAGCATCTGTGGAAGAAAC  
 GGCAGACTCCACCTGTGCCACATCCTGAACCTGTACCGACGAACCACCTGGCTACACCAGGCCCTTCGG  
 GAAGGCACTCGAGTCCAGAGTGTAGAGCAGATCCGAGAGGTGGCTTCAGGAGCTGCCAGGATCCGTGGAG  
 AGACCTTGGGCATCATTGGACTAGGTCTGTGGCCAGGCGTGGCACTTCGGGCAAAGGCTTTTGGCTT  
 CAACGCTCTTCTATGATCCATACCTATCTGATGGAATCGAGCGGGCCCTGGGGCTACAGCGCGTGAGC  
 ACGCTGCAGGACCTGCTCTTCCACAGTACTGCGTTACCCTGCATTGCGGCCTCAATGAGCACAACCACC  
 ACCTCATCAATGACTTTACTGTCAAGCAGATGAGACAAGGAGCCTTTCTGGTGAACACAGCCCGTGGTG  
 CCTGGTGGATGAGAAGGCACTGGCCAGGCCCTGAAGGAAGGGCGGATCCGTGGCGCAGCGCTGGACGTG  
 CATGAGTCAGAGCCCTTCACTTTAGCCAGGGACCCTAAAGGATGCACCAACCTCATCTGCACACCCC  
 ATGCTGCATGGTACAGTGAAGGCGTCCATTGAGATGAGAGAGGAGGCAGCCCGGAAATCCGGCGAGC  
 CATCACAGGCCGATCCCAGATAGCTTGAAAACTGTGTCAACAAGGACCACCTGACAGCCGCCACGAC  
 TGGGCCAGCATGGACCCTGCTGTGGTGCACCCTGAGCTCAATGGGGTGCCTACAGCAGGTACCCTCCAG  
 GCGTCGTGAGTGTGGCCCCACTGGCATCCCAGCTGCTGTGGAAGGGATTGTTCCAGTGCCATGTCCCT  
 GTCTCATGGCCTGCCCTGTGGCCACCCACCCACGCTCCCTCTCCTGGCCAGACTGTCAAGCCTGAG  
 GCGGATAGAGACCATAACGAGTGACCAAGTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA





<b>ORF Size:</b>	1290 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001198861.1</a> , <a href="#">NP_001185790.1</a>
<b>RefSeq Size:</b>	2498 bp
<b>RefSeq ORF:</b>	1293 bp
<b>Locus ID:</b>	13016
<b>UniProt ID:</b>	<a href="#">O88712</a>
<b>Cytogenetics:</b>	5 17.52 cM
<b>MW:</b>	47.1 kDa
<b>Gene Summary:</b>	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]