

## Product datasheet for MR229868

### Ctbp1 (NM\_001198860) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ctbp1 (NM_001198860) 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:	>MR229868 representing NM_001198860 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCAGGCGTCCGACCTCCCATCATGAACGGGCCCATGCACCCCGGCCCTGGTGGCGCTGCTGGATG  
GCCGGGACTGCACAGTGGAGATGCCTATCCTGAAGGATGTGGCCACAGTAGCCTTCTGTGATGCACAGTC  
CACACAGGAGATCCATGAGAAGTACTGAATGAGGCTGTGGGTGCCCTGATGTACCATACCATCACACTG  
ACCAGAGAAGATCTGGAGAAGTTTAAAGCTCTTAGAATCATCGTCCGAATTGGCAGCGGGTTTGACAATA  
TCGACATCAAGTCAGCTGGGGATCTAGGCATCGCAGTGTGCAATGTGCCGGCAGCATCTGTGGAAGAAAC  
GGCAGACTCCACCCTGTGCCACATCCTGAACCTGTACCGACGAACCACCTGGCTACACCAGGCCCTTCGG  
GAAGGCACTCGAGTCCAGAGTGTAGAGCAGATCCGAGAGGTGGCTTCAGGAGCTGCCAGGATCCGTGGAG  
AGACCTTGGGCATCATTGGACTAGGTCTGTGGCCAGGCGTGGCACTTCGGGCAAAGGCTTTTGGCTT  
CAACGTCTCTTCTATGATCCATACCTATCTGATGGAATCGAGCGGGCCCTGGGGCTACAGCGCGTGAGC  
ACGCTGCAGGACCTGCTCTTCCACAGTACTGCGTTACCCTGCATTGCGGCCTCAATGAGCACAACCACC  
ACCTCATCAATGACTTTACTGTCAAGCAGATGAGACAAGGAGCCTTTCTGGTGAACACAGCCCGTGGTG  
CCTGGTGGATGAGAAGGCACTGGCCAGGCCCTGAAGGAAGGGCGGATCGGTGGCGCAGCGCTGGACGTG  
CATGAGTCAGAGCCCTTACGCTTTAGCCAGGGACCCTTAAAGGATGCACCAACCTCATCTGCACACCCC  
ATGCTGCATGGTACAGTGAAGGCGTCCATTGAGATGAGAGAGGAGGCAGCCCGGAAATCCGGCGAGC  
CATCACAGGCCGGATCCCAGATAGCTTGAAGAACTGTGTCAACAAGGACCACCTGACAGCCGCCACGCAC  
TGGGCCAGCATGGACCCTGCTGTGGTGCACCCTGAGCTCAATGGGGTGCCTACAGGTACCTCCAGGCG  
TCGTGAGTGTGGCCCCACTGGCATCCCAGCTGCTGTGGAAGGGATTGTTCCAGTGCCATGTCCCTGTC  
TCATGGCCTGCCCTGTGGCCACCCACCCACGCTCCCTCTCCTGGCCAGACTGTCAAGCCTGAGGCG  
GATAGAGACCATACGAGTGACCAGTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229868 representing NM\_001198860  
 Red=Cloning site Green=Tags(s)

MSGVRPPIMNGPMHPRPLVALLDGRDCTVEMPILKDVATVAFCDQSTQEIHEKVLNEAVGALMYHTITL  
 TREDLEKFKALRIIVRIGSGFDNIDIKSAGDLGIAVCNVAASVEETADSTLCHILNLYRRTTWLHQLR  
 EGTRVQSVEQIREVASGAARIRGETLGIIGLGRVGOAVALRAKAFGFNVLYDPYLSDGIERALGLQRVS  
 TLQDLLFHSDCVTLHCGLNEHNHLLINDFTVKQMRQGAFLVNTARGGLVDEKALAQALKEGRIRGAALDV  
 HESEPF SFSQGPKDAPNLICTPHAAWYSEQASIEMREEAAREIRRAITGRIPDSLKNCVNKDHLTAATH  
 WASMDPAVVHPELNGAAYRPPGVVSVAPTGIPAAVEGIVPSAMSLSHGLPPVAHPPHAPSPGQTVKPEA  
 DRDHTSDQL

TRTRP**LEQKLISEEDLA**NDILDYKDDDDK**V**

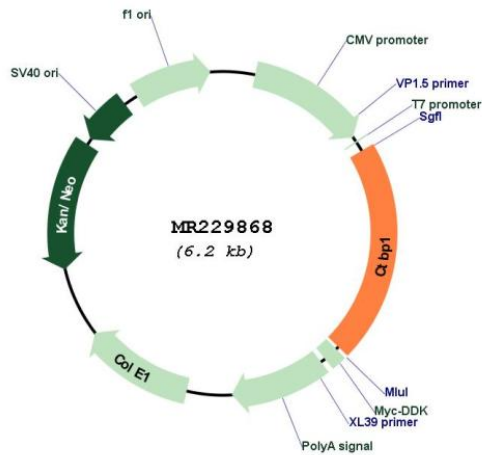
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001198860

<b>ORF Size:</b>	1287 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_001198860.1</a> , <a href="#">NP_001185789.1</a>
<b>RefSeq Size:</b>	2495 bp
<b>RefSeq ORF:</b>	1290 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 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]