

## Product datasheet for MC211500

### Ctbs (NM\_028836) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ctbs (NM\_028836) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ctbs  
**Synonyms:** 2210401K11Rik; CTB  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211500 representing NM\_028836  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGCTGTGTGGCCTCCCGAATTCCTCTGCTGCTGCTGCCGCTGTTGGCACGGCTCTCGCCGGGG  
ACTGCCGTGCTCCGAGGCTGCTCTGCAACCGATCCGCCACCGTCCCGACTTCGAGGCTTTGTATT  
TGATGTTGGACAGAAAACCTGGAATCTTATGACTGGTCACAGATTACAAGTGTGGCAGCTTTTGAAAA  
TATGACCCAGAATTATGTGCTATGCTCATTCAAAGGAGCCAGGAGTGTCTAAAAGGTGACATCTCTC  
TGAAGAATATCATTGATCCTACCTTCAGAGCATCGTGGATAGCTCAGAAAAGTTGATTTAGCCAAAGCACA  
GTATATGGATGGGATTAATATAGACATAGAGCAAGAAGTTAACTGCTCATCACCTGAATATGAAGCACTG  
ACAGCTCTGGTCAAAGAAACCACAGAGAGTTTCCAACGTGAGATCGAGGGATCACAGGTAACCTTTGATG  
TAGCTTGGTCACCAAAGCGCATAGACAAAAGGTGCTATAATTACACTGGGATCGCAGATGCCTGTGACTT  
TCTTTTGTGATGTCTTACGATGAGCAAAGTCAGATCTGGTCAGAATGTATTGCAGCCCAATGCCTCC  
TACAATCAGACATTAACCTGGATATATTGACTACATCAAGATGGCATTAGCCCTAAGAAACTTGTAAATGG  
GTGTTCCCTGGTATGGCTATGATTACATTTGCCTAAATCTCTCAAAGGATCCTGCTGGCCGTTTTTCATCA  
AGTGTGGTATGATAACCCACAGAGCATCTCACTAAAGGCAGCATATGTCAAAAACCTACGGCTTGGCGGGC  
ATTGGCATGTGGAATGCAAAGTGTCTTACTACTCCGATGATGCTCTAGCCAGAGAGCAAACACAAGAAA  
TGTGGGGAGCCTTAAACCAAGGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_028836  
**Insert Size:** 939 bp



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<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>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_028836.4</a> , <a href="#">NP_083112.1</a>
<b>RefSeq Size:</b>	2744 bp
<b>RefSeq ORF:</b>	939 bp
<b>Locus ID:</b>	74245
<b>UniProt ID:</b>	<a href="#">Q8R242</a>
<b>Cytogenetics:</b>	3 H2
<b>Gene Summary:</b>	<p>Involved in the degradation of asparagine-linked glycoproteins. Hydrolyze of N-acetyl-beta-D-glucosamine (1-4)N-acetylglucosamine chitobiose core from the reducing end of the bond, it requires prior cleavage by glycosylasparaginase (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>