

## Product datasheet for **MC200538**

### Ctsz (NM\_022325) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ctsz (NM\_022325) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ctsz  
**Synonyms:** A1787083; AU019819; CTS; CTSX; D2Wsu143; D2Wsu143e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC008619 sequence for NM\_022325  
 GCGGGCGTCCCAGCGCGTGGGCTCGGGTCAAGAGGTGCTGCGCGTGATCCAGGA  
 TCCGAATTGGCCGGAGCAGGAGCATGGCGTCGTCGGGTCGGTGCAGCAGCTGCCCTGGTGTCTGA  
 TGTTGCTGTTGGCGAGTGCGGCACGGGCCAGACTCTACTTCCGCTCGGGCCAGACTTGCTACCATCCCAT  
 TCGCGGGGACCAGCTGGCTCTGCTGGGGCGCAGGACTTATCCTCGGCCACATGAGTACCTGTCCCCAGCG  
 GATCTCCCTAAGAATTGGGACTGGAGAAATGTGAACGGTGTCAACTATGCCAGCGTCACCAGGAACCAGC  
 ACATCCCACAGTACTGTGGTTCTGCTGGGCCACGGCAGCACCAGTGCCATGGCAGACCGAATCAACAT  
 CAAGAGGAAAGGTGCATGGCCCTCCATCCTGCTGTCCGTACAGAATGTCATTGACTGTGGCAATGCTGGC  
 TCTTGTGAAGGGGCAATGACCTCCGGTGTGGGAGTATGCCACAAGCATGGCATCCCCGATGAGACCT  
 GCAACAACCTACCAGCCAAGGACCAAGACTGTGACAAGTTAACCAGTGTGGACCTGCACTGAATTCAA  
 AGAGTGCACACCATCCAGAATTACACCCTCTGGAGAGTGGGTGATTACGGTTCCCTGTCCGGGAGGGAG  
 AAGATGATGGCCGAGATCTATGCCAATGGTCCCATCAGCTGCGGGATAATGGCAACAGAGATGATGTCTA  
 ACTACACTGGAGGCATCTATGCTGAGCACCAGGACCAGGCTGTTATCAACCACATCATCTCTGTAGCTGG  
 CTGGGGTGTGAGCAACGATGGCATCGAGTACTGGATTGTCCGAAATTCATGGGGCAACCCTGGGGTGGAG  
 AAAGGCTGGATGAGGATCGTGACCAGCACCTACAAGGGAGGCACAGGTGACAGCTACAACCTTGCCATCG  
 AGAGTGCCTGCACATTTGGGGACCCATTGTTTAGGTAGATGTCTCTGGAAGCAGCGCTGTGAACCATGA  
 CAGGGAGGGGTGATTAATTACTGACACTGGACATGTCCAGACAGCTATAAACAGTCTTGTGGACATGAG  
 GACCAGAGTGTGGACTGCATCCCCGAGAGGAGACGGTAAAGGATGAAACACAACCTGCACTGGGACCCCTCCA  
 CCGTACCCTCCAGGCCTGCCTCCTCCACCACTGAGCCCTCCAGGCCTGCCTCCTTCTACAGTGTGCTGC  
 CTTACGCCACCCGGAGAAGAGAGCTATGGTTTAGGACAGCTCAACTTATACCAGATCTGGAGCCCTGGA  
 ATCCATGGGAGGGGGAACAAGTCCAGACTGCCTAAGAAATGAGTAAAATATCTGGCTTCCCAAAAAAAA  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_022325  
**Insert Size:** 921 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="#">BC008619</a> , <a href="#">AAH08619</a>
<b>RefSeq Size:</b>	1418 bp
<b>RefSeq ORF:</b>	921 bp
<b>Locus ID:</b>	64138
<b>UniProt ID:</b>	<a href="#">Q9WUU7</a>
<b>Cytogenetics:</b>	2 97.94 cM
<b>Gene Summary:</b>	This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. The encoded preproprotein is proteolytically processed to generate a mature enzyme with carboxypeptidase activity. An enzymatically inactive form of the protein, that is associated with the propeptide, may be involved in cancer cell invasion and proliferation. Homozygous knockout mice for this gene exhibit impaired cancer cell invasion in a breast cancer model. [provided by RefSeq, Aug 2015]