

Product datasheet for **MC200296**

Ctsh (BC006878) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctsh (BC006878) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ctsh
Synonyms: AL022844
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC006878
 GGGACCGGGCAGTGAGCGCCGAGATGTGGGCTGCGCTGCCGCTGTGTGCGCTGGGGCTGGCTGCTGAG
 TACTGGGGCCACCGCCGAGCTGACCGTGAACGCCATAGAAAAGTTTCACTTTAAGTCATGGATGAAACAG
 CATCAAAAAGACGTACAGCTCGGTGGAGTACAACCACAGACTGCAGATGTTTGCCAACAACCTGGAGGAAGA
 TTCAAGCCCAACAACCAGAGGAACACACATTTAAATGGCATTGAACCAGTTTTTCAGATATGAGCTTTGC
 TGAAATAAAACACAAATTCCTTTGGTCAGAGCCTCAGAATTGCTCAGCCACCAAAAGTAACCTCCGA
 GGTACAGGCCCTACCCTTCTCCATGGACTGGAGGAAGAAAGGAAATGTTGTTTCGCCAGTGATAAATC
 AGGGGGCTGTGGCAGCTGCTGGACTTTCTACCACGGGGCCCTAGAGTCAGCTGTGGCTATTGCCAG
 TGGGAAAATGCTGCTTTGGCTGAGCAGCAGCTGGTGGATTGTGCCAAGCCTTCAACAATCATGGCTGC
 AAAGGAGTCTCCCAGCCAGGCCTTCGAGTACATCCTATACAACAAGGGCATCATGGAAGAAGACAGCT
 ACCCTTACATAGGCAAGGATAGTTCATGCAGATCAACCCCAAAAAGCTGTTGCATTTCGCAAGAATGT
 TGCAACATCACACTCAATGACGAGGCTGCAATGGTTGAGGCTGTGGCTCTATAAACCCCTGTGAGCTTC
 GCCTTTGAGGTGACTGAAGATTTTTTGATGATAAAAAGTGGCGTCTACTCCAGTAAATCCTGTCATAAAA
 CTCCAGATAAAGTAAACCATGCAGTCCTGGCGGTTGGCTATGGAGAACAGAAATGGATTACTCTACTGGAT
 TGTGAAAACCTTTGGGGCTCCCAGTGGGGGAGAAATGGGTACTTCTCATTGAACGTGGGAAGAACATG
 TGTGGCCTGGCTGCTTGTGCCTCTATCCCATTCTCAGGTATAAGCCACGGCTGCACGGGCAACTGATT
 GGCAGACCAAGGGAGGAAGTGGTCTTCGATGAGAATGCCACCCTGGAGAAAATGTGTGAAAATCCACC
 CAGAGGCCCTCTCACTCCTGAGTCTAGACGCCTAAAGACAGGAAGGACAAACTTGAATAGCGACAAGCCC
 ACCCACGTGACATCATCACCAGAAATACGCTTGGATTGTGGTTTTTTAATGACCCAAACCCACGTGGACC
 TAGAATCGTCTCTTTCCAGCTCTTTCATGTACTGGGAGCTGTAATGGTTACCTTTTCTATGTTGTGT
 ATTCAATAAACACACAGTAAATACCTCAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC006878
Insert Size: 1002 bp



[View online »](#)

OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>BC006878</u> , <u>AAH06878</u>
RefSeq Size:	1372 bp
RefSeq ORF:	1002 bp
Locus ID:	13036
Cytogenetics:	9 47.4 cM
Gene Summary:	This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include the cathepsin H mini, heavy, and light chains. In rat and human, these three chains can associate to form the mature enzyme, which has both aminopeptidase and endopeptidase activities. Homozygous knockout mice for this gene exhibit impaired lung surfactant processing and reduced tumorigenesis in a pancreatic cancer model. Multiple pseudogenes of this gene have been identified in the genome. [provided by RefSeq, Aug 2015]