

Product datasheet for **MC227140**

Ctss (NM_001267695) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ctss (NM_001267695) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ctss
Synonyms: Cats
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227140 representing NM_001267695
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGGCTCCTGGCCACGCTGCCATCAGAAGATGGCTGTTTTGGATGCCCTGGTGTGCTCTGTGGCAA
TGGAGCAACTGCAGAGAGACCCTACCCTGGACTACCATTGGGATCTCTGGAAGAAAACCCATGAGAAAGA
ATACAAGGATAAGAATGAAGAAGAAGTACGGCGTCTCATCTGGGAAAAGAATCTGAAGTTTATAATGATT
CACAATCTCGAATATTCTATGGGAATGCATACCTACCAAGTGGGCATGAACGATATGGGAGACATGACCA
ATGAAGAAATCTTGTGTCGGATGGGTGCTCTGAGAATCCCCGACAGTCTCCGAAGACTGTCACCTTCAG
GTCATACTCTAATCGGACATTGCCTGACACTGTGGACTGGAGAGAGAAGGGCTGCCTCACTGAGGTGAAA
TACCAGGGTTCTTGTGGTGCCTGCTGGGCTTTCAGTGTCTGTGGGGCCCTTGAAGGGCAGCTGAAGCTGA
AAACGGGAAGCTGATATCCCTCAGTGTCTCAGAACCTGGTGGACTGTCAAATGAAGAAAAGTATGGGAA
TAAAGGCTGTGGAGGCGGCTACATGACCGAAGCTTCCAGTACATCATTGATAATGGGGCATAGAGGCA
GACGCTTCCTATCCCTACAAAGCCACGGATGAAAAGTGTCACTATAACTCAAAAAATCGAGCTGCCACGT
GTTCAAGGTACATTAGCTCCCGTTTGGTGACGAGGATGCCCTGAAAGAAGCAGTGGCCACTAAAGGGCC
TGTCTCTGTGGCATCGACGCCAGCCATTCTCTCTTCTTCTTCTACAAAAGCGGTGTCTATGACGACCCC
TCTGTACGGCAATGTGAATCATGGTGTCTTGTGGTTGGCTATGGGACTCTTGATGGCAAGATTACT
GGCTTGTGAAAAACAGTTGGGCGCTTAACCTTGGTGATCAAGGATACATTCGGATGGCAAGAAATAATAA
AAATCACTGCGGAATTGCTAGTTATTGCTCTTACCCAGAAATC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001267695



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Insert Size:	1026 bp
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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>NM_001267695.2, NP_001254624.2</u>
RefSeq Size:	1360 bp
RefSeq ORF:	1026 bp
Locus ID:	13040
Cytogenetics:	3 40.74 cM
Gene Summary:	<p>This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. Alternative splicing results in multiple transcript variants, which encode preproteins that are proteolytically processed to generate mature protein products. This enzyme is secreted by antigen-presenting cells during inflammation and may induce pain and itch via activation of G-protein coupled receptors. Homozygous knockout mice for this gene exhibit impaired wound healing, reduced tumorigenesis in a pancreatic cancer model, and reduced pathogenesis in a myasthenia gravis model. [provided by RefSeq, Aug 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>