

Product datasheet for MC205662

Ctss (NM_021281) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctss (NM_021281) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ctss
Synonyms:	Cats
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC002125
GAGCACCACACTTCAGGATGACCATGAGGGCTCCTGGCCAGCTGCCATAAGATGGCTGTTTTGGATGCC
CCTGGTGTGCTCTGTGGCAATGGAGCAACTGCAGAGAGACCCTACCCTGGACTACCACTGGGATCTCTGG
AAGAAAACCCATGAGAAAAGATAACAAGGATAAGAATGAAGAAGAAGTACGGCGTCTCATCTGGGAAAAGA
ATCTGAAGTTTATAATGATTCACAATCTCGAATATTCTATGGGAATGCATACCTACCAAGTGGGCATGAA
CGATATGGGAGACATGACCAATGAAGAAATCTTGTGTCGGATGGGTGCTCTGAGAATTCCTCCGACAGTCT
CCGAAGACTGTCACCTTCAGGTCATACTCTAATCGGACATTGCCTGACACTGTGGACTGGAGAGAGAAGG
GCTGCGTCACTGAGGTGAAATACCAGGGTTCCTTGTGGTGCCTGTTGGGCTTTCAGTGCTGTGGGGCCCT
TGAAGGGCAGCTGAAGCTGAAAACGGGGAAGCTGATATCCCTCAGTGCTCAGAACCTGGTGGACTGCTCA
AATGAAGAAAAGTATGGGAATAAAGGCTGTGGAGGCGGCTACATGACCGAAGCTTCCAGTACATCATTG
ATAATGGGGGCATAGAGGCAGACGCTTCCTATCCCTACAAGCCATGGATGAAAAGTGTCACTATAACTC
AAAAAATCGAGCTGCTACGTGTTCAAGGTACATTCAGCTCCCCTTTGGTGACGAGGATGCCCTGAAAGAA
GCAAGTGGCCACTAAAGGGCTGTCTCTGTGGGCATCGACGCCAGCCATTCTCCTCTTCTTCTACAAAA
GCGGTGTCTATGACGACCCTCCTGTACGGGCAATGTGAATCATGGTGTCTTGTGGTGGCTATGGGAC
TCTTGATGGCAAAGATTACTGGCTTGTGAAAAACAGTTGGGGCCTTAACCTTTGGTGATCAAGGATACATT
CGGATGGCAAGAAATAATAAAAACTACTGCGGAATTGCTAGTGATTGCTCTTACCCAGAAATCTAAACCA
TTTCTTCTTTTCTAACAAGTCATAAAGATGGAATATACTCTAACTTAATTTGCCTGCTTATCCAGAGG
AACCAAGTGCCTCGTGATCAATGTGCAGTTACTGTACTAACTAGGTTACAGCTATTTTTACACCCTGTTG
TCTAATGTTTTCTAATAACCGTTTGTAAACATGATAGCCCCAAAATGCTTAATAAAAATCTGTCATTTCAA
AAAAAAAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_021281
Insert Size:	1023 bp



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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:	BC002125 , AAH02125
RefSeq Size:	1279 bp
RefSeq ORF:	1023 bp
Locus ID:	13040
UniProt ID:	O70370
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 preproproteins 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 (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (2) that is 1 aa shorter than isoform 1.</p>