

Product datasheet for **MC208349**

Cst3 (NM_009976) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cst3 (NM_009976) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cst3
Synonyms: Cys; CysC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208349 representing NM_009976
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCAGCCCGCTGCGCTCCTTGCTGTTCTGCTGGCCGTCCTGGCCGTGGCCTGGGCGGCGACCCCAA
AACAAAGGCCCGCAATGTTGGGAGCCCCGGAGGAGGCAGATGCCAATGAGGAAGGCGTGGCGGAGCGTT
GGACTTCGCTGTGAGCGAGTACAACAAGGGCAGCAACGATGCGTACCACAGCCGCCCATACAGGTGGTG
AGAGCTCGTAAGCAGCTCGTGGCTGGAGTGAACATTTTTGGATGTGGAGATGGCCGAACTACATGTA
CCAAGTCCAGACAAATTTGACTGACTGTCCTTTCCATGACCAGCCCCATCTGATGAGGAAGGCACTCTG
CTCCTTCCAGATCTACAGCGTGCCCTGGAAAGGCACACTCCCTGACAAAATTCAGCTGCAAAAATGCC
TAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009976
Insert Size: 423 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).



[View online »](#)

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_009976.4, NP_034106.2</u>
RefSeq Size:	813 bp
RefSeq ORF:	423 bp
Locus ID:	13010
UniProt ID:	<u>P21460</u>
Cytogenetics:	2 73.6 cM
Gene Summary:	The protein encoded by this gene is a cysteine protease inhibitor involved in neurodegenerative and cardiovascular processes. The encoded protein inhibits aggregation of beta-amyloid protein, a hallmark of Alzheimer's disease, so it may be useful as a therapeutic. This protein also may be a biomarker for atherosclerosis. [provided by RefSeq, Aug 2015]