

Product datasheet for **RR208742**

Cst3 (NM_012837) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cst3 (NM_012837) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cst3
Synonyms: CYSC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208742 representing NM_012837
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCAGCCCGCTGCGCTCCTTGATGCTACTGCTGGCCGTCCTGGCCGTGGCCTGGGCCGGAACCTCCA
GGCCACCCCGCGATTGTTGGGAGCTCCGAGGAGGCAGATGCCAGCGAGGAGGGCGTGCAGCGAGCGTT
GGACTTCGCCGTAAGCGAGTACAACAAGGGCAGCAACGATGCGTACCACAGCCGCCATACAGGTGGTG
AGAGCTCGTAAGCAGCTTGTGGCTGGAATAAACTATTATTTGGATGTGGAGATGGCCGAACTACATGTA
CCAAGTCCAGACAAATTTGACTAACTGTCTTTCCACGACCAGCCCATCTGATGAGGAAGGCACTCTG
CTCCTTCCAGATCTACAGCGTGCCTGGAAAGGCACACACCCTGACAAAATCCAGCTGCAAAAATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208742 representing NM_012837
Red=Cloning site **Green**=Tags(s)

MASPLRSLMLLLAVLAVAWAGTSRPPRLLGAPQEADASEEGVQRALDFAVSEYNKGSNDAYHSRAIQVV
RARKQLVAGINYYLDVEMGRITTKSQTNLNCPFHDQPHLMRKALCSFQIYSVPWKGHTLTKSSCKNA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

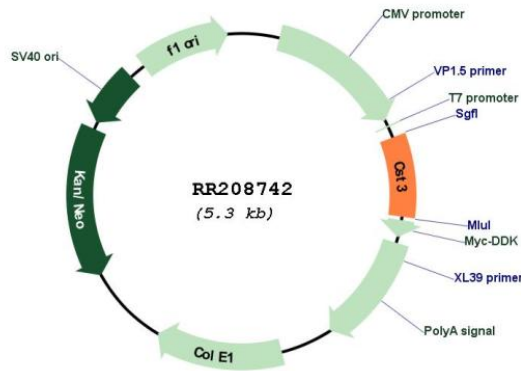


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Cloning Scheme:



Plasmid Map:



ACCN: NM_012837

ORF Size: 420 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_012837.1 , NP_036969.1
RefSeq Size:	729 bp
RefSeq ORF:	423 bp
Locus ID:	25307
UniProt ID:	P14841
Cytogenetics:	3q41
MW:	15.4 kDa
Gene Summary:	extracellular cysteine protease inhibitor that may be involved in amyloidosis [RGD, Feb 2006]