

## Product datasheet for **RR211298**

### Ctsz (NM\_183330) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ctsz (NM_183330) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctsz
Synonyms:	CATX
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211298 representing NM_183330 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGTCGTCGGGATCGGTGCAGCAGCTGCGGCTGGTGTGCTGATGTTGCTGCTGGCCGGTGCGGCAC  
GGGCCAGCCTCTACTTCCGCCCGGGCCAGACCTGCTACCGACCCCTTACAGGGACCACCTGGCTCTGCT  
GGGGCGCAGGACCTATCCTCGGCCACATGAGTACCTGTCCCAGCGGATCTCCGAAGAATTGGGACTGG  
AGGAATGTGAACGGTGTCAACTATGCCAGCGTCACGAGGAATCAGCATATCCACAGTACTGTGGTTCTT  
GCTGGGCCACGGCAGCACCAAGTGCCTTGGCAGATCGCATCAACATCAAGAGAAAAGGTGCATGGCCCTC  
CACCTGTTGTGGTGCAGAATGTCATCGACTGCGGCAATGCTGGTTCTTGTGAGGGGGCAATGACCTT  
CCGGTGTGGGAGTATGCCACAAGCATGGCATCCCCGATGAGACCTGCAACAACCTACCAGGCCAAGGACC  
AAGAATGTGACAAGTTTAACCAGTGTGGGACCTGCACTGAATTCAAAGAGTGCCACACCATCCAGAATTA  
TACCCTTGGAGAGTGGGTGACTATGGCTCCCTGTCCGGGAGGGAGAAGATGATGGCAGAGATCTACGCC  
AGTACCAGAACCAGGCCATTATCAACCACATCATCTGTAGCCGGCTGGGGTGCAGCAATGATGGCAT  
CGAGTATTGGATTGTCCGAATTCATGGGCGAGCCCTGGGGTGAGCGAGGCTGGATGAGAATTGTGACC  
AGCACCTATAAGGGAGGGACAGTTCCAGCTACAACTCGCCATTGAGGAGGCCTGCACATTTGGGACC  
CCATTGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211298 representing NM\_183330  
 Red=Cloning site Green=Tags(s)

MASSGSVQQLRLVLLMLLLAGAARASLYFRPGQTCYRPLHRDHLALLGRRTYPRPHEYLSPADLPKNWDW  
 RNVNGVNYASVTRNQHIPQYCGSCWAHGSTSALADRINIKRKGAWPSTLLSVQNVIDCGNAGSCEGGNDL  
 PVWEYAHKHGIPDETCNNYQAKDQECDFNQCGTCTEFKECHTIQNYTLWRVGDYGSLSGREKMMAEIYA  
 NGPIISCGIMATERMSNYTGGIYTEYQNQAIINHIIISVAGWGVSNDDGIEYWIVRNSWGEPEWGERGWMRIYV  
 STYKGGTSSYNLAIEEACTFGDPIV

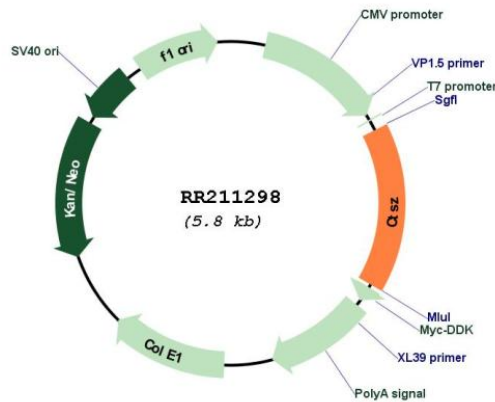
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_183330

ORF Size: 918 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_183330.1</a> , <a href="#">NP_899159.1</a>
<b>RefSeq Size:</b>	1358 bp
<b>RefSeq ORF:</b>	921 bp
<b>Locus ID:</b>	252929
<b>UniProt ID:</b>	<a href="#">Q9R1T3</a>
<b>Cytogenetics:</b>	3q43
<b>MW:</b>	34.2 kDa
<b>Gene Summary:</b>	Exhibits carboxy-monoamidase as well as carboxy-dipeptidase activity (PubMed:12553736, PubMed:10615013). Capable of producing kinin potentiating peptides (PubMed:10615013). [UniProtKB/Swiss-Prot Function]