

Product datasheet for **RR206230**

Ctsd (NM_134334) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctsd (NM_134334) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ctsd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206230 representing NM_134334 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGACCCCCGGCGTCTTGCTGCTCATTCTCGGCCTCCTGGCTGCGTCTCTCCGCGTTATCAGAA
TCCCCCTGCGCAAGTTCACATCCATCCGTCGGACTATGACGGAAGTGGGAGGCTCTGTGGAAGACCTGAT
CCTTAAAGGTCCCATAACCAAGTACTCCATGCAGTCATCTCCTAGGACCAAGGAGCCAGTGCAGAGTTA
CTAAAAAATACCTGGATGCCAGTACTATGGTGAGATCGGCATTGGGACTCCCCACAGTGTTCACAG
TCGTCTTTGACACTGGCTCCTCTAACCTGTGGTCCCCTCCATTGCAAGCTGCTGGACATAGCCTG
CTGGGTCCACCACAAGTACAACAGTGACAAGTCCAGCACCTATGTGAAGAATGGCACATCCTTCGACATC
CACTACGGCTCAGGTAGCCTCTCTGGGTACCTGAGCCAGGACACTGTGTCGGTTCATGTAAGTCAGACT
TAGGAGGTATCAAGGTGGAGAAACAGATCTTTGGGAAGCCACCAAGCAGCCTGGAGTCGTATTCATCGC
AGCCAAGTTTGATGGCATCTTGGGCATGGGCTACCCTTTATCTCTGTTAAACAATGTGCTCCCGGTCTTC
GACAACCTGATGAAACAGAAGCTGGTGGAAAAGAATCTTCTCCTTCTACCTGAACAGGGACCCAAACCG
GGCAACCTGGAGGAGAACTAATGCTTGGCGGCACTGACTCCAGATACTACCACGGGGAGCTGCTCCTACCT
GAACGTCACCCGAAAGGCCTACTGGCAGGTGCACATGGACCAGCTGGAGGTGGGCAGCGAGCTGACTCTG
TGCAAGGGAGGCTGTGAGGCTATTGTGGACACAGGGACGTCTCTTCTGGTGGGGCCTGTGGACGAGGTGA
AGGAACTACAGAAGGCCATTGGGGCAGTGCCTCTCATCCAGGGCAGTATATGATCCCTTGTGAGAAGGT
GTCCAGCTGCCATTATCACCTTTAAGCTAGGAGGCCAAAATGAACTACACCCAGAGAAGTACATA
CTCAAGGTATCGCAGGCTGAAAAGCAGTCTGCCTGAGTGGCTTCATGGGGATGGACATACCCCTCCCA
GTGGGCCGCTCTGGATCCTGGGCGATGTCTTTATTGGCTGCTACTACACCGTGTGACAGAGAATAACA
TAGGGTCCGCTTTGCCAAGGCTGCCACACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206230 representing NM_134334
 Red=Cloning site Green=Tags(s)

MQTPGVLLLILGLLAASSALIRIPLRKFTSIRRTMTEVGGSVEDLILKGPITKYSMQSSPRTKEPVSEL
 LKNYLDAQYYGEIGIGTPPQCFTVVFDTGSSNLWVPSIHCKLLDIACWVHHKYNSDKSSTYVKNGTSFDI
 HYGSGSLSGYLSQDTSVVPCKSDLGGIKVEKQIFGEATKQPGVVFIAAKFDGILMGYPFISVNNVLPVF
 DNLMKQKLVEKNIFSFLNRDPTGQPGGELMLGGTDSRYHGHGELSYLNVTRKAYWQVHMDQLEVGSELTL
 CKGGCEAIVDTGTSLLVGFPVDEVKELQKAIGAVPLIQGEYMIPCEKVSSLPITFKLGGQNYELHPEKYI
 LKVSQAGKTIICLSGFMGMDIPPPSGPLWILGDVFIGCYTVFDREYNRVGFAKAATL

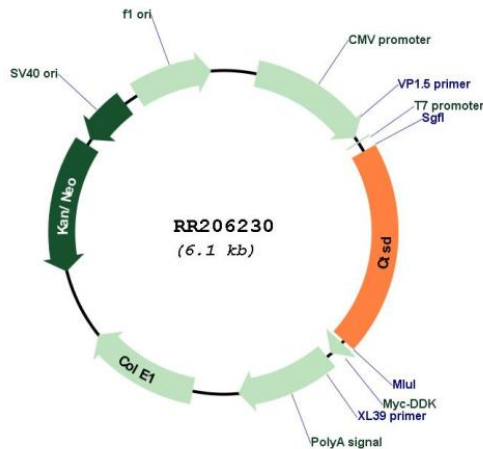
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_134334

ORF Size:	1221 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_134334.2 , NP_599161.2
RefSeq Size:	2060 bp
RefSeq ORF:	1224 bp
Locus ID:	171293
Cytogenetics:	1q41
MW:	44.6 kDa
Gene Summary:	lysosomal aspartic endopeptidase [RGD, Feb 2006]