

Product datasheet for **RR206439**

Ctsl (NM_013156) Rat Tagged ORF Clone

Product data:

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|--------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ctsl (NM_013156) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ctsl |
| Synonyms: | CATHL; CatL; Ctsl1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RR206439 representing NM_013156 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCCCTTTACTCCTCTGGCTGTCTCTGCTTGGAAACAGCCTTAGCCACTCCAAAATTTGATCAA
CGTTTAATGCACAGTGGCACCAGTGGAAGTCCACACACAGAAGACTGTATGGCACGAATGAGGAAGAGTG
GAGGAGAGCAGTGTGGGAGAAGAACATGAGGATGATCCAGCTACACAATGGGGAGTACAGCAACGGGAAG
CACGGCTTTACCATGGAGATGAACGCCTTCGGTGACATGACCAATGAGGAATTCAGGCAGATAGTGAATG
GCTATCGCCACCAGAAGCACAAGAAGGGAAGGTTATTTTCAGGAACCTCTGATGCTGCAGATCCCCAAGAC
TGTGGACTGGAGAGAAAAGGTTGTGTGACTCCTGTGAAGAATCAGGGCCAGTGTGGTTCTTGCTGGGCT
TTTAGCGCATCGGGTTGCCTAGAAGGACAGATGTTCCCTAAGACTGGCAAATGATCTCACTGAGTGAAC
AGAACCTGTGGACTGTTCTCACGATCAAGGCAATCAGGGCTGTAAATGGAGGCCTGATGGATTTTGCTTT
CCAGTACATTAAGGAAAATGGAGGCTGGACTCAGAGGAGTCTTATCCCTATGAAGCAAAGGATGGATCT
TGTAATAACAGAGCTGAGTATGCTGTGGCTAACGACACAGGTTTGTGGATATCCCTCAGCAAGAGAAAAG
CCCTCATGAAGCCTGTAGCGACGGTGGGGCCTATTCTGTTGCCATGGATGCAAGCCATCCGTCTCTCCA
GTTCTATAGTTCAGGTATCTACTATGAACCAACTGTAGCAGCAAGGACCTCGACCATGGGGTTCTGGTG
GTTGGCTATGTTATGAAGGAACAGATTCAAATAAGGATAAAATACTGGCTTGTCAAAAACAGCTGGGGTA
AAGAATGGGGTATGGATGGCTACATCAAATAGCCAAAGACCGGAACAACCACTGCGGACTTGCCACCGC
AGCCAGCTATCTATCGTGAAT

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206439 representing NM_013156
Red=Cloning site Green=Tags(s)

MTPLLLAVLCLGTALATPKFDQTFNAQWHQWKSTHRRLYGTNEEEWRRRAVWEKNMRMIQLHNGEYSNGK
 HGFTMEMNAFGDMTNEEFRQIVNGYRHHQKHKKGRLLFQEPLMLQIPKTVDWREKGCVTPVKNQGCQGCSCWA
 FSASGCLEGMFLKTKGLISLSEQNLVDCSHDQGNQGCNGGLMDFAFQYIKENGLDSEESYPYEAKDGS
 CKYRAEYAVANDTGFVDIPQQEKALMKPVATVGPISVAMDASHPSLQFYSSGIYYEPNCCSKDLDHGVLV
 VGYGYEGTDSNKDKYWLKNSWGKEWGMGYIKIAKDRNNHCGLATAASYPIVN

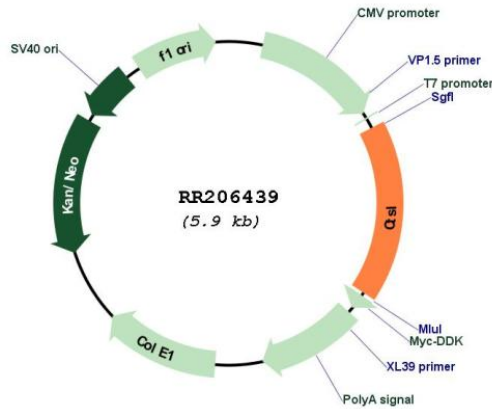
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013156

ORF Size: 1002 bp

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|-------------------------------|---|
| 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_013156.2 , NP_037288.1 |
| RefSeq Size: | 1382 bp |
| RefSeq ORF: | 1005 bp |
| Locus ID: | 25697 |
| UniProt ID: | P07154 |
| Cytogenetics: | 17p14 |
| MW: | 37.7 kDa |
| Gene Summary: | mouse homolog is deleted in the CD4 T-cell-deficient mouse mutant nacht (nkt); may play a role in CD4+ T-cell selection in the thymus [RGD, Feb 2006] |