

## Product datasheet for **RR200328**

### Csad (NM\_001134454) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Csad (NM_001134454) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Csad
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR200328 representing NM\_001134454  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGACTCAAACCCTCAGAACCCTGGATGGGGACCCTGTGGCTGTGGAGCCTTGTCTCCGGGACG  
 TGTTTGGATTGTCGTAGATGAGCCATCCGGAAGGGGACCAATGCCTCTGAGAAGTCTGCGAATGGAA  
 GGAGCCTGAAGAGCTCAAGCAGCTGCTGGACTTGAGCTGCAGAGCCAGGGCAGTCTAGGGAGCGGATC  
 CTGGAGCGCTGCCGGCTGTGATTACATTACAGTGTCAAGACTGGTCACCCCGGTTCTTCAACCAGCTCT  
 TCTCAGGATTAGATCCCATGCTCTGGCCGGGCGCATCATTACGGAGAGCCTCAATACCAGCCAGTACAC  
 ATATGAGATTGCCCCGTGTTTGTGCTCATGGAAGAGGAGGTGCTGAAGAACTCCGTGCCCTTGTGGGC  
 TGGAACTGAGGATGGGTCTTCTGCTGCTGGTGGTCCATCTAACATGTACGCCATAAACCCTGGCCC  
 GCTTTCAGCGCTACCCAGACTGCAAGCAGAGGGCCCTCCGGGCCCTGCCACCCTTGGCCCTTTCACCTC  
 AAAGAGTGCCACTACTCCATCACAAGGGAGCTGCTTTTCTGGGACTTGGCACCACAGTGTCCGAGTG  
 GTCAAGGCTGATGAGAGAGGGAAGATGATCCCTGAGGATCTGGAGAGGCAGATCAGTCTGGCAGAGGCTG  
 AGGGCTCGGTGCCATTTCTGGTCACTGCCACCTCTGGTACCACCGTGTAGGGGCCCTTGGACCCCTGGA  
 TGCAATTGCCGATGTTTCCAGCGTACGGGCTGTGGTTACACGTGGATGCTGACTCCGTGGCCTGGAAC  
 CCTCACAAGCTTCTCGCCGCGGGCTGCAGTGTCTGCTCTTCTTCTCCGGGACACCTCGAACCTGCTCA  
 AGCGCTGCCACGGGTCCCAGGCCAGTACTCTTCCAGCAAGACAAGTCTACAACGTGGCACTGGACAC  
 CGGAGACAAGGTGGTGCAGTGTGGCCGCCGCTGGACTGTCTGAAGCTGTGGCTCATGTGGAAGGCGCAG  
 GGTGGCAAGGGCTGGAGTGGCGCATCGACCAGGCCTTGTCTCACTCGGTACTTGGTGGAGGAGATAA  
 AAAAGCGGAAGGATTTGAGTTGGTCACTGGAGCCCAAGTTCGTCACACGTGTGCTTCTGGTTGTGCCTCC  
 CAGCCTCGGGGGAAGAAGGAGAGCCAGATTACAGCCAGAGGCTGTCTCAGGTGGCCCTGTGCTCAAG  
 GAGCGCATGGTGAAGAAGGAACCATGATGATCGGCTGCCAGCCCATGGGACCCGGGCCAACTTCTTCC  
 GAATGGTGGTGGCCAACCCATACTGGTCCAGGCCGATATAGACTTCTTCTGGGCGAGCTGGAGCGTCT  
 GGGCCAGGACCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200328 representing NM\_001134454  
 Red=Cloning site Green=Tags(s)

MADSKPLRTLGDGPVAVEALLRDVFGIVVDEAIRKGTNASEKVCEWKEPEELKQLLDLELQSQGESRERI  
 LERCRAVIHYSVKTGHPRFFNQLFSGLDPHALAGRIITESLNTSQYTYE IAPVFLMEEV LKLRALVG  
 WNTGDGVFCPGGISNMYAINLARFQRYPDCKQRGLRALPPLALFTSKECHYSITKGA AFLGLGTD SVRV  
 VKADERGKMIPEDLERQISLAEAGSV PFLVSATSGTTVLGAFDPLDAIADVCQRHGLWLHVDADSVAWN  
 PHKLLAAGLQCSALLLRDTSNLLKRCHGSQASYL FQDKFYNVALDTGDKV VQCGR RVDCLKLWLMWKAQ  
 GGQGLEWRIDQAFALTRYLVEEIKKREGFELVMEPKFVNVCFWFVPPSLRGKKE SPDYSQRLSQVAPVLK  
 ERMVKKGTMMIGCQPHGTRANFFRMV VANPILVQADIDFLLGELERLQDL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

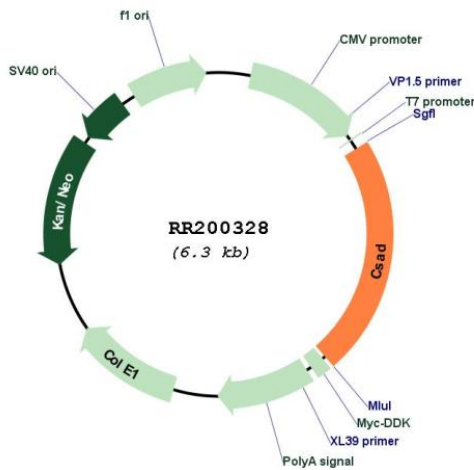
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001134454

ORF Size: 1413 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:**

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\\_001134454.1](#), [NP\\_001127926.1](#)

**RefSeq Size:** 2044 bp

**RefSeq ORF:** 1416 bp

**Locus ID:** 60356

**Cytogenetics:** 7q36

**MW:** 52.8 kDa

**Gene Summary:** catalyzes the conversion of 3-sulfinyl-L-alanine to hypotaurine in taurine biosynthesis [RGD, Feb 2006]