

Product datasheet for **RN200328**

Csad (NM_001134454) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN200328 representing NM_001134454
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGACTCAAACCCTCAGAACCCTGGATGGGGACCCTGTGGCTGTGGAGCTTTGCTCCGGGACG
 TGTTTGGGATTGTCGTAGATGAGGCCATCCGGAAGGGGACCAATGCCTCTGAGAAGTCTGCGAATGGAA
 GGAGCCTGAAGAGCTCAAGCAGCTGCTGGACTTGAGCTGCAGAGCCAGGGCGAGTCTAGGGAGCGGATC
 CTGGAGCGCTGCCGGGCTGTGATTACATTACAGTGTCAAGACTGGTCACCCCGGTTCTTCAACCAGCTCT
 TCTCAGGATTAGATCCCATGCTCTGGCCGGGCGCATCATTACGGAGAGCCTCAATACCAGCCAGTACAC
 ATATGAGATTGCCCCGTGTTTGTGCTCATGGAAGAGGAGGTGCTGAAGAACTCCGTGCCCTTGTGGGC
 TGGAACTGAGGATGGGGTCTTCTGCTGCTGCTGCTTCCATCTAACATGTACGCCATAAACCCTGGCCC
 GCTTTCAGCGCTACCCAGACTGCAAGCAGAGGGGCTCCGGGCCCTGCCACCCTTGGCCCTTTCACCTC
 AAAGGAGTGCCACTACTCCATCACCAAGGAGCTGCTTTTCTGGGACTTGGCACCACAGTGTCCGAGTG
 GTCAAGGCTGATGAGAGAGGGAAGATGATCCCTGAGGATCTGGAGAGGCAGATCAGTCTGGCAGAGGCTG
 AGGGCTCGGTGCCATTTCTGGTCACTGCCACCTCTGGTACCACCGTGTAGGGGCCCTTGGCCCCCTGGA
 TGCAATTGCCGATGTTTCCAGCGTACGGGCTGTGGTTACACGTGGATGCTGACTCCGTGGCCTGGAAC
 CCTCACAAGCTTCTCGCCGCGGGGCTGCAGTGTCTGCTTCTTCTCCGGGACACCTCGAACCTGCTCA
 AGCGCTGCCACGGGTCCCAGGCCAGTACTCTTCCAGCAAGACAAGTTCTACAACGTGGCACTGGACAC
 CGGAGACAAGGTGGTGCAGTGTGGCCGCGCGTGGACTGTCTGAAGCTGTGGCTCATGTGGAAGGCGCAG
 GGTGGGCAAGGGCTGGAGTGGCGCATCGACCAGGCTTTGCTCTCACTCGGTACTTGGTGGAGGAGATAA
 AAAAGCGGGAAGGATTTGAGTTGGTTCATGGAGCCCAAGTTCGTCACAGTGTGCTTCTGGTTTGTGCCTCC
 CAGCCTCGGGGGAAGAAGGAGAGCCAGATTACAGCCAGAGGCTGTCTCAGGTGGCCCCCTGTGCTCAAG
 GAGCGCATGGTGAAGAAGGGAACCATGATGATCGGCTGCCAGCCCATGGGACCCGGGCCAACTTCTTCC
 GAATGGTGGTGGCCAACCCATACTGGTCCAGGCCGATATAGACTTCTTCTGGGCGAGCTGGAGCGTCT
 GGGCCAGGACCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001134454
- Insert Size:** 1416 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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
Gene Summary: catalyzes the conversion of 3-sulfino-L-alanine to hypotaurine in taurine biosynthesis [RGD, Feb 2006]