

Product datasheet for **RN200329**

Csad (NM_021750) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csad (NM_021750) 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: >RN200329 representing NM_021750
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGACTCAAACCCTCAGAACCCTGGATGGGGACCCTGTGGCTGTGGAGCCTTTGCTCCGGGACG
 TGTTTGGATTGTCGTAGATGAGGCCATTCGGAAGGGGACCAATGCCTCTGAGAAGGTCTGCGAATGGAA
 GGAGCCTGAAGAGCTCAAGCAGCTGCTGGACTTGAGCTGCAGAGCCAGGGCGAGTCTAGGGAGCGGATC
 CTGGAGCGCTGCCGGGCTGTGATTACATTACAGTGTCAAGACTGGTCACCCCGGTTCTTCAACCAGCTCT
 TCTCAGGATTAGATCCCCATGCTCTGGCCGGGCGCATCATTACGGAGAGCCTCAATACCAGCCAGTACAC
 ATATGAGATTGCCCCGTGTTTGTGCTCATGGAAGAGGAGGTGCTGAAGAACTCCGTGCCCTTGTGGGC
 TGGAACTGAGGATGGGGTCTTCTGCTGCTGGTCCATCTAACATGTACGCCATAAACCTGGCCC
 GCTTTCAGCGCTACCCAGACTGCAAGCAGAGGGGCTCCGGGCCCTGCCACCCTTGGCCCTTTCACCTC
 AAAGGAGTGCCACTACTCCATCACAAGGGAGCTGCTTTTCTGGGACTTGGCACCAGAGTGTCCGAGTG
 GTCAAGGCTGATGAGAGAGGGAAGATGATCCCTGAGGATCTGGAGAGGCAGATCAGTCTGGCAGAGGCTG
 AGGGCTCGGTGCCATTTCTGGTCACTGCCACCTCTGGTACCACCGTGTAGGGGCCCTTGGACCCCTGGA
 TGCAATTGCCGATGTTTCCAGCGTACAGGGCTGTGGTTACACGTGGATGCCGCCTGGGGTGGGAGCGTC
 CTGCTGTCCCGGACACAGGCATCTCCTGGATGGGATCCAGAGGGCTGACTCCGTGGCCTGGAACCCTC
 ACAAGTCTTCGCCGCGGGGCTGCAAGTCTGCTCTTCTTCCGGGACACCTCGAACCTGCTCAAGCG
 CTGCCACGGTCCCAGGCCAGCTACCTCTCCAGCAAGACAAGTCTACAACGTGGCTCTGGACACCGGA
 GACAAGGTGGTGCAGTGTGGCCCGCGTGGACTGTCTGAAGCTGTGGCTCATGTGGAAGGCGCAGGGTG
 GGCAAGGGCTGGAGTGGCGCATCGACCAGCCTTTGCTCACTCGGTACTTGGTGGAGGAGATAAAAA
 CGGGGAAGGATTTGAGTTGGTCAATGGAGCCCGAGTTCGTCAACGTGTGCTTCTGGTTTGTGCTCCAGC
 CTGCGGGGAAGAAGGAGAGCCAGATTACAGCCAGAGGCTGTCTCAGGTGGCCCTGTGCTCAAGGAGC
 GCATGGTGAAGAAGGGAACCATGATGATCGGCTACCAGCCCCATGGGACCCGGGCAACTTCTCCGAAT
 GGTGGTGGCAACCCATACTGGTCCAGGCCGATATAGACTTCTTCTGGCGAGCTGGAGCGTCTGGGC
 CAGGACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_021750

Insert Size: 1482 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_021750.2](#), [NP_068518.1](#)

RefSeq Size: 2062 bp

RefSeq ORF: 1482 bp

Locus ID: 60356

UniProt ID: [Q64611](#)

Cytogenetics: 7q36

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