

Product datasheet for **MC216907**

Csad (NM_144942) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Csad (NM_144942) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Csad
Synonyms:	Csd
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216907 representing NM_144942
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGACTCAAACCCTCAGGACCCTGGATGGGGACCCCGTGGCTGTGGAGGCCTTGCTCCAGGACG
TGTTTGGGATTGTTGTAGATGAGGCCATTCTGAAGGGGACCAGTGCCTCTGAGAAGTCTGCGAATGGAA
GGAGCCTGAAGAACTCAAGCAGCTGCTGGACTTGAGCTGCAGAGCCAGGGCGAGTCCCGGAGCAGATC
CTGGAGCGCTGCCGACTGTGATTCACTACAGTGTCAAGACTGGTCACCCCGGTTCTTCAACCAGCTCT
TCTCAGGGTTAGATCCCATGCTCTGGCTGGGCGCATCATCACGGAGAGCCTCAACTAGCCAGTACAC
ATATGAGATTGCCCCGTGTTGTGCTCATGGAAGAGGAGGTGCTGAAGAACTCCGTGCCCTGGTGGGC
TGGAACTCTGGGGATGGGTCTTCTGCTCTGGTGGCTCCATCTCCAACATGTACGCCATGAACCTGGCCC
GCTTTCAGCGCTACCCAGACTGCAAGCAGAGGGGCTCCGGGCCCTGCCGCCCTGGCTCTTCACTTC
AAAGGAGTGTCACTACTCCATCACAAGGGAGCTGCTTTCTGGGACTTGGCACCAGAGTGTCCGAGTG
GTCAAGGCTGATGAGAGAGGGAGGATGATCCCTGAGGACCTGGAGAGGCAGATCATTCTGGCAGAGGCTG
AGGGCTCTGTGCCATTTCTGGTCACTGCCACCTCTGGTACCACCGTGTAGGGGCCTTTGACCCCTGGA
TGCAATTGCCGATGTTTGCCAGCGACACGGACTGTGGTCCATGTGGATGCTGCCTGGGGTGGGAGCGTC
CTGCTGTCTCGGACACACAGGCATCTCCTGGATGGGATCCAGAGGGCTGACTCTGTGGCCTGGAACCCCTC
ACAAGTCTCTCGCCGACAGGGCTGCAAGTGTCCGCTCTTCTTCTCCGGGACACCTCGAACCTGCTCAAGCG
CTGCCATGGATCCAGGCCAGCTACCTCTCCAGCAAGACAAGTTCTACGATGTGGCTCTGGACACCGGTA
GACAAAGTGGTGCAGTGTGGCCCGCGTGGACTGTCTGAAGCTATGGCTCATGTGAAGGCACAGGGTG
GGCAGGGTTGGAGCGGCATCGACCAGGCCTTGTCTCACCCGGTACTTGGTGGAGGAGATTA
GCGGGAAGGATTTGAGTTGGTAATGGAGCCGAGTTCGTCAACGTGTGCTTCTGGTTTGTGCTCCAGC
CTTCGGGGGAAGAAGGAGAGTCCAGATTACAGCCAAAGGCTGTCTCAGGTGGCCCTGTGCTCAAGGAGC
GCATGGTGAAGAAGGGGACCATGATGATTGGTACCAGCCCATGGGACCCGGGCAACTTCTTCCGAAT
GGTGGTGGCAACCCATACTGGCCAGGCCGATATAGATTTCTTCTGGGCGAGCTGGAGCTCCTGGGC
CAGGACCT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_144942

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_144942.4](#), [NP_659191.1](#)

RefSeq Size: 2265 bp

RefSeq ORF: 1482 bp

Locus ID: 246277

UniProt ID: [Q9DBE0](#)

Cytogenetics: 15 F2

Gene Summary: Catalyzes the decarboxylation of L-aspartate, 3-sulfinyl-L-alanine (cysteine sulfinic acid), and L-cysteate to beta-alanine, hypotaurine and taurine, respectively. The preferred substrate is 3-sulfinyl-L-alanine. Does not exhibit any decarboxylation activity toward glutamate.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.