

Product datasheet for **SC332084**

CSAD (NM_001244705) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CSAD (NM_001244705) Human Untagged Clone
Tag: Tag Free
Symbol: CSAD
Synonyms: CSD; PCAP
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332084 representing NM_001244705.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTGACTCAGAAGCACTCCCCTCCCTTGCTGGGGACCCAGTGGCTGTGGAAGCCTTGCTCCGGGC
GTGTTTGGGGTTGTTGTGGATGAGGCCATTAGAAAGGAACCCAGTGTCTCCAGAAAGGTCTGTGAGTGG
AAGGAGCTGAGGAGCTGAAGCAGCTGCTGGATTTGGAGCTGCGGAGCCAGGGCGAGTCACAGAAGCAG
ATCCTGGAGCGGTGTCGGGCTGTGATTCGCTACAGTGTCAAGACTGGTCACCCTCGGTTCTTCAACCAG
CTCTTCTCTGGGTTGGATCCCCATGCTCTGGCCGGGCGCATTATCACTGAGAGCCTCAACACCAGCCAG
TACACATATGAAATCGCCCCGTGTTTGTGCTCATGGAAGAGGAGGTGCTGAGGAAACTGCGGGCCCTG
GTGGGCTGGAGCTCTGGGACGGAATCTTCTGCCCTGGTGGCTCCATCTCCAACATGTATGCTGTAAT
CTGGCCCGCTATCAGCGCTACCCGGATTGCAAGCAGAGGGGCTCCGCACACTGCCGCCCTGGCCCTA
TTCACATCGAAGGAGTGTCACTACTCCATCCAGAAGGGAGCTGCGTTTCTGGGACTTGGCACCAGCAGT
GTCCGAGTGGTCAAGGCTGATGAGAGAGGGAAAATGGTCCCCGAGGATCTGGAGAGGCAGATTGGTATG
GCCGAGGCTGAGGGTGTGTGCCGTTCTGGTCACTGCCACCTCTGGCACCAGTGTGCTAGGGGCTTT
GACCCCTGGAGGCAATTGCTGATGTGTGCCAGCGTCATGGGCTATGGCTGCATGTGGATGCTGCCTGG
GGTGGGAGCGTCTGCTGTACAGACACACAGGCATCTCCTGGATGGGATCCAGAGGGCTGACTCTGTG
GCCTGGAATCCCCACAAGCTCCTCGCAGCAGGCCTGCAATGCTCTGCACCTTTCTCCAGGATACCTCG
AACCTGCTCAAGCGCTGCCATGGGTCCCAGGCCAGCTACCTTTTCCAGCAGGACAAGTTCTACGATGTG
GCTCTGGACACGGGAGACAAGGTGGTGCAGTGTGGCCGCCGTGTGGACTGTCTGAAGCTGTGGCTCATG
TGAAGGCACAGGGCGATCAAGGGCTGGAGCGGCGCATCGACCAGGCCTTTGTCCTTGCCCGGTACCTG
GTGGAGGAAATGAAGAAGCGGGAAGGTTTGGAGTAGTCATGGAGCCTGAGTTTGTCAATGTGTGTTTC
TGGTTCGTACCCCCAGCCTGCGAGGGAAGCAGGAGATCCAGATTACCACGAAAGGCTGTCAAAGGTG
GCCCCGTGCTCAAGGAGCGCATGGTGAAGGAGGGCTCCATGATGATTGGCTACCAGCCCCACGGGACC
CGGGGCAACTTCTCCGTGTGGTTGTGGCCAACCTGCACTGACCTGTGCTGATATGGACTTCTCCTCT
AACGAGCTGGAGCGGCTAGGCCAGGACCTGTA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001244705
Insert Size: 1482 bp



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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:	<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_001244705.1
RefSeq Size:	2615 bp
RefSeq ORF:	1482 bp
Locus ID:	51380
UniProt ID:	Q9Y600
Cytogenetics:	12q13.13
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Taurine and hypotaurine metabolism
MW:	55 kDa
Gene Summary:	<p>This gene encodes a member of the group 2 decarboxylase family. A similar protein in rodents plays a role in multiple biological processes as the rate-limiting enzyme in taurine biosynthesis, catalyzing the decarboxylation of cysteinesulfinate to hypotaurine. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>