

Product datasheet for **SC327901**

CSAD (NM_015989) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSAD (NM_015989) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSAD
Synonyms:	CSD; PCAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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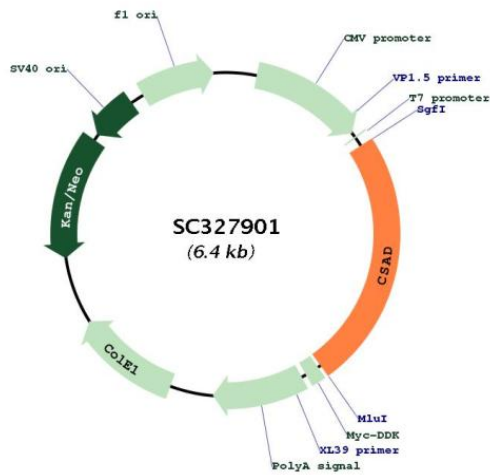
Fully Sequenced ORF: >SC327901 representing NM_015989.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCAATCCACTGAAGTCTCATTCTGCTGAGCTACCTGTGCACCCTGCCTCCGGCTCTCCTGAGC
AGAGAGATCCTGATGGCTGACTCAGAAGCACTCCCTCCCTTGTGGGGACCCAGTGGCTGTGGAAGCC
TTGCTCCGGGCCGTGTTTGGGGTTGTTGTGGATGAGGCCATTAGAAAGGAACCAGTGTCTCCAGAAG
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GACTTCTCTCAACGAGCTGGAGCGGCTAGGCCAGGACCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_015989

Insert Size:	1563 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_015989.4
RefSeq Size:	2709 bp
RefSeq ORF:	1563 bp
Locus ID:	51380
UniProt ID:	Q9Y600
Cytogenetics:	12q13.13
Domains:	pyridoxal_deC
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Taurine and hypotaurine metabolism
MW:	58 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 (1) represents the longest transcript and encodes the longest isoform (1).</p>