



Recombinant Mouse CSAD Protein Product Manual

1. Product Basic Information

Product No.: REP06558

Protein Name: Aspartate 1-Decarboxylase (CSAD)

Aliases: CSD; PCAP; CSADC; aspartate 1-decarboxylase; sulfinoalanine decarboxylase; cysteine-sulfinatase decarboxylase; cysteine sulfinic acid decarboxylase; P-selectin cytoplasmic tail-associated protein

UniProt ID: Q9Y600

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9Y600/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-493aa)

Molecular Weight: 71.1kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-493aa)

MADSKPLRTLGDGPVAVEALLQDVFGIVVDEAILKGTSASEKVCEWKEPEELKQLLD
LELQSQGESREQILERCRTVIHYSVKTGHPFFNQLFSGLDPHALAGRIITESLNTSQ
YTYEIAVPFVLMEEVLLKKLRALVGWNSGDGVFCPGGSISNMYAMNLARFQRYPD
CKQRGLRALPPLALFTSKECHYSITKGAAFLGLGTDSVRVVKADERGRMIPEDLER
QIILAEAGSVPLVLSATSGTTVLGAFDPLDAIADVQCQRHGLWFHVDAAWGGSVLLS
RTHRHLLDGIQRADSVAWNPHKLLAAGLQCSALLLRDTSNLLKRCHGSQASYLFQQ
DKFYDVALDTGDKVVQCGRVDCLKLWLMWKAQGGQGLERRIDQAFALTRYLVEE
IKKREGFELVMEPEFVNVCFWFVPPSLRGKKESPDYSQRLSQVAPVLKERMVKKG
TMMIGYQPHGTRANFFRMVVANPILAQADIDFLLGELELLGQDL

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse CSAD full length protein (1-493aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. CSAD, also known as CSD or PCAP or CSADC, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.