Recombinant Full Length Human CSAD Protein, GST-tagged

Cat. No. CSAD-2148HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CSAD full-length ORF (BAG37682.1, 1 a.a. - 493 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	493 amino acids
Description	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]
Molecular Mass	80.63 kDa
AA Sequence	MADSEALPSLAGDPVAVEALLRAVFGVVVDEAIQKGTSVSQKVCEWKEPEELKQLL DLELRSQGESQKQILERCRAVIRYSVKTGHPRFFNQLFSGLDPHALAGRIITESLNTS QYTYEIAPVFVLMEEEVLRKLRALVGWSSGGGIFCPGGSISNMYAVNLARYQRYPD CKQRGLRTLPPLALFTSKECHYSIQKGAAFLGLGTDSVRVVKADERGKMVPEDLER QIGMAEAEGAVPFLVSATSGTTVLGAFDPLEAIADVCQRHGLWLHVDAAWGGSVLL SQTHRHLLDGIQRADSVAWNPHKLLAAGLQCSALLLQDTSNLLKRCHGSQASYLFQ QDKFYDVALDTGDKVVQCGRRVDCLKLWLMWKAQGDQGLERRIDQAFVLARYLVE EMKKREGFELVMEPEFVNVCFWFVPPSLRGKQESPDYHERLSKVAPVLKERMVKE

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	GSMMIGYQPHGTRGNFFRVVVANSALTCADMDFLLNELERLGQDL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CSAD cysteine sulfinic acid decarboxylase [Homo sapiens]
Official Symbol	CSAD
Synonyms	CSAD; cysteine sulfinic acid decarboxylase; CSD; P selectin cytoplasmic tail associated protein; PCAP; sulfinoalanine decarboxylase; cysteine-sulfinate decarboxylase; P-selectin cytoplasmic tail-associated protein; cysteine sulfinic acid decarboxylase-related protein; FLJ44987; FLJ45500; MGC119354; MGC119355; MGC119357
Gene ID	51380
mRNA Refseq	NM_001244705
Protein Refseq	NP_001231634

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MIM	616569
UniProt ID	Q9Y600

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