

# Recombinant Human CAD protein, SUMO-His-tagged

**Cat. No.** CAD-50H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CAD protein(Arg1661-Ser1900), fused with N-terminal SUMO tag and His tag, was expressed in E.coli.                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1661-1900 aa                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Phosphate buffered saline                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 40 kDa                                                                                                                                                                                                                                                           |
| <b>AASequence</b>       | RPELGSRQDVEALWENMAVIDCFASDHAPHTLEEKCGSRPPPGFPGLETMLPLLLT<br>AVSEGRLSLDLLQRLHHNPRRIFHLPPQEDTYVEVDLEHEWTIPSHMPFSKAHWT<br>PFEGQKVKGTVRRVVLGRGEVAYIDGQVLVPPGYGQDVRKWPQGAVPQLPPSAPAT<br>SEMTTTPERPRRGIPGLPDGRFHLPPRIHRASDPGLPAEEPKEKSSRKVAEPELMGT<br>PDGTCYPPPPVPRQAS |
| <b>Storage</b>          | Store at -20°C/-80°C.                                                                                                                                                                                                                                            |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                    |

## GENE INFORMATION

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|                        |                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CAD carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase [ Homo sapiens ]                                                       |
| <b>Official Symbol</b> | CAD                                                                                                                                                         |
| <b>Synonyms</b>        | CAD; carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase; CAD protein; CAD trifunctional protein; multifunctional protein CAD; |
| <b>mRNA Refseq</b>     | NM_004341                                                                                                                                                   |
| <b>Protein Refseq</b>  | NP_004332                                                                                                                                                   |
| <b>MIM</b>             | 114010                                                                                                                                                      |
| <b>UniProt ID</b>      | P27708                                                                                                                                                      |
| <b>Gene ID</b>         | 790                                                                                                                                                         |

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