

## Recombinant Human CS Protein, MYC/DDK-tagged

Cat. No. CS-3342H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CS protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.

**Species** Human

**Source** HEK293

**Description** The protein encoded by this gene is a Krebs tricarboxylic acid cycle enzyme that catalyzes the synthesis of citrate from oxaloacetate and acetyl coenzyme A. The enzyme is found in nearly all cells capable of oxidative metabolism. This protein is nuclear encoded and transported into the mitochondrial matrix, where the mature form is found.

**Form** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

**Molecular Mass** 44.5 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** >50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

**Gene Name** CS citrate synthase [ Homo sapiens ]

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|                        |                                                   |
|------------------------|---------------------------------------------------|
| <b>Official Symbol</b> | CS                                                |
| <b>Synonyms</b>        | citrate synthase, mitochondrial; citrate synthase |
| <b>Gene ID</b>         | 1431                                              |
| <b>mRNA Refseq</b>     | NM_004077                                         |
| <b>Protein Refseq</b>  | NP_004068                                         |
| <b>MIM</b>             | 118950                                            |
| <b>UniProt ID</b>      | O75390                                            |

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