



# Recombinant Human Citrate synthase, mitochondrial (CS)

<b>Product Code</b>	CSB-YP006031HU(A4)
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O75390
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	ASS TNLKDILADL IPKEQARIKT FRQQHGKTVV GQITVDMMYG GMRGMKGLVY ETSVLDPDEG IRFRGFSIPE CQKLLPKAKG GEEPLPEGLF WLLVTGHIPT EEQVSWLSKE WAKRAALPSH VVTMLDNFPT NLHPMSQLSA AVTALNSES FARAYAQQIS RTKYWELIYE DSMDLIAKLP CVAAKIYRNL YREGSGIGAI DSNLDWSHNF TNMLGYTDHQ FTELTRLYLT IHSDHEGGNV SAHTSHLVGS ALSDPYLSFA AAMNGLAGPL HGLANQEVLV WLTQLQKEVG KDVSDEKLRD YIWNTLNSGR VVPGYGHAVL RKTDPRYTCQ REFALKHLPN DPMFKLVAQL YKIVPNVLE QGKAKNPWPN VDAHSGVLLQ YYG MTEMNYY TVLFGVSRAL GVLAQLIWSR ALGFPLERPK SMSTEGLMKF VDSKSG
<b>Source</b>	Yeast
<b>Target Names</b>	CS
<b>Protein Names</b>	Recommended name: Citrate synthase, mitochondrial EC= 2.3.3.1
<b>Expression Region</b>	28-466
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.