Recombinant Human Citrate synthase, mitochondrial (CS)

Product Code	CSB-EP006031HU(A4)-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75390
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	ASS TNLKDILADL IPKEQARIKT FRQQHGKTVV GQITVDMMYG GMRGMKGLVY ETSVLDPDEG IRFRGFSIPE CQKLLPKAKG GEEPLPEGLF WLLVTGHIPT EEQVSWLSKE WAKRAALPSH VVTMLDNFPT NLHPMSQLSA AVTALNSESN FARAYAQGIS RTKYWELIYE DSMDLIAKLP CVAAKIYRNL YREGSGIGAI DSNLDWSHNF TNMLGYTDHQ FTELTRLYLT IHSDHEGGNV SAHTSHLVGS ALSDPYLSFA AAMNGLAGPL HGLANQEVLV WLTQLQKEVG KDVSDEKLRD YIWNTLNSGR VVPGYGHAVL RKTDPRYTCQ REFALKHLPN DPMFKLVAQL YKIVPNVLLE QGKAKNPWPN VDAHSGVLLQ YYGMTEMNYY TVLFGVSRAL GVLAQLIWSR ALGFPLERPK SMSTEGLMKF VDSKSG
Source	E.coli
Target Names	CS
Protein Names	Recommended name: Citrate synthase, mitochondrial EC= 2.3.3.1
Expression Region	28-466
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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 metablism. This protein is nuclear encoded and transported into the mitochondrial matrix, where the mature form is found.
Reconstitution	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.
Shelf Life	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.