



# Recombinant Probable crotonobetaine/carnitine-CoA ligase (caiC)

<b>Product Code</b>	CSB-YP845233EOD
<b>Abbreviation</b>	caiC
<b>Storage</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.
<b>Uniprot No.</b>	Q8XA34
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli O157:H7
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDIIGGQHLLR QMWDDLADV GHKTALICES SGGVVNRYSY LELNQEINRT ANLFYTLGIR KGDKVALHLD NCPEFIFCWF GLAKIGAIMV PINARLLREE SAWILQNSQA CLLVTSAQFY PMYQQIQQED ATQLRHICLT DVALPADDGV SSFTQLKNQQ PATLCYAPPL STDDTAEILF TSGTTSRPKG VVITHYNLRF AGYSAWQCA LRDDDVYLTV MPAFHIDCQC TAAMAAFSAG ATFVLVEKYS ARAFWGQVQK YRATITECIP MMIRTLMVQP PSANDRQHRL REVMFYLNLS EQEKDTFCER FGVRLLSYG MTETIVGIIG DRPGDKRRWP SIGRAGFCYD AEIRDDHNRP LPAGEIGEIC IKGVPKTIIF KEYFLNPKAT AKVLEADGWL HTGDTGYRDE EGFFYFIDRR CNMIKRGGEN VSCVELENII ATHPKIQDIV VVGIKDSIRD EAIKAFVVLN EGETLSEEEF FRFCEQNMAK FKVPSYLEIR KDLPRNCSGK IIRKNLK
<b>Source</b>	Yeast
<b>Target Names</b>	caiC
<b>Protein Names</b>	Recommended name: Probable crotonobetaine/carnitine-CoA ligase EC= 6.2.1.-
<b>Expression Region</b>	1-517
<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 protein
<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.