



Recombinant Probable crotonobetaine/carnitine-CoA ligase (caiC)

Product Code	CSB-EP845233EOD-B
Abbreviation	caiC
Storage	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.
Uniprot No.	Q8XA34
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O157:H7
Purity	>85% (SDS-PAGE)
Sequence	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
Source	E.coli
Target Names	caiC
Protein Names	Recommended name: Probable crotonobetaine/carnitine-CoA ligase EC= 6.2.1.-
Expression Region	1-517
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 protein
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.