



# Recombinant Escherichia coli O6:K15:H31 Probable crotonobetaine/carnitine-CoA ligase (caiC)

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| <b>Product Code</b>      | CSB-YP610719EGY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <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.<br>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>       | Q0TLV2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen Species</b> | Escherichia coli O6:K15:H31 (strain 536 / UPEC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>            | >85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Sequence</b>          | MDIIGGQHLR QMWDDLADV GHKTA LICES SSGVVNRYSY LELNQEINRT<br>ANLFYTLGIR KGDKVALHLD NCPEFIFCWF GLAKIGAIMV PINARLLREE<br>STWILQNSQA CLLV TSAQFY PMYQQIQQED ASQLRHICLT DMVLPADDGV<br>SSFTQLKNQQ PATLCYAPPL STDDTAEILF TSGTTSRPKG VVITHYNLRF<br>AGYSAWQCA LRDDDVYLV MPAFHIDCQC TAAMAAFSAG ATFVLVEKYS<br>ARAFWGQVQK YRATITECIP MMIRTLMVQP LSANDQQHRL REVMFYLNLS<br>EQEKDAFCER FSVRLLTSYG MTETIVGIIG DRPGDKRRWP SIGRAGFCYE<br>AEIRDDHNRP LPAGELGEIC IKGVPKTIK KEYFLNPKAT AKVLEADGWL<br>HTGDTGYRDE EGFFYFVDRR CNMIKRGGEN VSCVELENII ATHPKIQDIV<br>VVGIKDSIRD EAIKAFVVLN EGETLSEEEF FCFCEQNMAK FKVPSYLEIR<br>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.                                                                                                                                                                                                          |



## Shelf Life

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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.