



Recombinant Escherichia coli O45:K1 Crotonobetainyl-CoA dehydrogenase (caiA)

Product Code	CSB-EP483453EOK-B
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.	B7MAG2
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O45:K1 (strain S88 / ExPEC)
Purity	>85% (SDS-PAGE)
Sequence	MDFNLNDEQE LfvAgIRELM ASENWEAYFA ECDRDSVYPE RFVKALADMG IDSLIPEEH GGLDAGFVTL AAVWMElgRL GAPTIVLYQL PGGFNTFLRE GTQEQIDKIM AFRGTGKQMW NSAITEPGAG SDVgSLKTTY TRRNGKIYLN GSKCFITSSA YTPYIVVMAR DGASPDkPVY TEWFVDMSKP GIKVTKLEKL GLRMDSCCEI TFDDVELDEK DMFGREGNGF NRVKEEFdHE RFLVALTNYG TAMCAFEDAA RYANQRVQFG EAIGRFQLIQ EKFAHMAIKL NSMKNMLYEA AWKADNGTIT SGDAAMCKYF CANAAFEVVD SAMQVLGGVG IAGNHRISRF WRDLRVDRVS GGSDemQILT LGRAVLKQYR
Source	E.coli
Target Names	caiA
Protein Names	Recommended name: Crotonobetainyl-CoA dehydrogenase EC= 1.3.99.- Alternative name(s): Crotonobetainyl-CoA reductase
Expression Region	1-380
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.