



# Recombinant Escherichia coli Choline dehydrogenase (betA)

<b>Product Code</b>	CSB-EP005335ENV
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P17444
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MQFDYIIIIGA GSAGNVLATR LTEDPNTSVL LLEAGGPDYR FDFRTQMPAA  LAFPLQGKRY NWAYETEPEP FMNRRMECG RGKGLGGSSL INGMCIYIRGN  ALDLNWAQE PGLNWSYLD CLPYRKAET RDMGENDYHG  GDGPVSVTTS KPGVNPLFEA MIEAGVQAGY PRTDDLNGYQ QEGFGPMDRT  VTPQGRRAST ARGYLDQAKS RPNLTIRTHA MTDHIIFDGK RAVGVEWLEG  DSTIPTRATA NKEVLLCAGA IASPQILQRS GVGNAELLA EFDIPLVHELP  GVGENLQDHL EMYLQYECKE PVS LYPALQW WNQPKIGAEW  LFGGTGVGAS NHFEAGGFIR SREEFAWPNI QYHFLPVAIN YNGSNAVKEH  GFQCHVGSMR SPSRGHVRIK SRDPHQHPAI LFNYSHEQD WQEFRDAIRI  TREIMHQPAL DQYRGREISP GVECQTDEQL DEFVRNHAET AFHPCGTCKM  GYDEMSVVDG EGRVHGLEGL RVVDASIMPQ IITGNLNATT IMIGEKIADM  IRGQEALPRS TAGYFVANGM PVRAKK</p>
<b>Source</b>	E.coli
<b>Target Names</b>	betA
<b>Protein Names</b>	Recommended name: Choline dehydrogenase Short name= CDH Short name= CHD EC= 1.1.99.1
<b>Expression Region</b>	1-556
<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.