



Recombinant Escherichia coli Choline dehydrogenase (betA)

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| Product Code | CSB-EP005335ENP |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | B1J0W6 |
| Product Type | Recombinant Protein |
| Immunogen Species | Escherichia coli (strain ATCC 8739 / DSM 1576 / Crooks) |
| Purity | >85% (SDS-PAGE) |
| Sequence | <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> |
| Source | E.coli |
| Target Names | betA |
| Protein Names | Recommended name: Choline dehydrogenase Short name= CDH Short name= CHD EC= 1.1.99.1 |
| Expression Region | 1-556 |
| 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. |