



Recombinant Escherichia coli Colicin-E1 (cea)

Product Code CSB-CF360926ENL

Relevance

This colicin is a channel-forming colicin. This class of transmembrane toxins depolarize the cytoplasmic membrane, leading to dissipation of cellular energy. Colicins are polypeptide toxins produced by and active against E.coli and closely related bacteria.

Abbreviation Recombinant E.coli cea protein

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. P02978

Product Type Transmembrane Protein

Immunogen Species Escherichia coli

Purity ≥ 85% as determined by SDS-PAGE.

Sequence
 METAVAYYKDGVPYDDKGQVIITLLNGTPDGSGSGGGGGKGGSKSESSAAIH
 ATAKWSTAQLKKTQAEQAARAKAAAEQAQAKAKANRDALTQRLKDIVNEALRH
 NASRTPSATELAHANNAAMQAEDERLRLAKAEKARKEAEAAEKAFQEAQQR
 RKEIEREKAETERQLKLAEAEKRLAALSEEAKAVEIAQKKLSAAQSEVVKMDG
 EIKTLNSRLSSSIHARDAEMKTLGKRNELAQASAKYKELDELVKKLSRANDP
 LQNRPFPEATRRRVGAGKIREEKQKQVTASETRINRINADITQIQKAISQVSNR
 NAGIARVHEAEENLKKAQNNLLNSQIKDAVDATVSFYQTLTEKYGEKYSKMAQ
 ELADKSKGKIGNVNEALAAFEKYKDVLNKKFSKADRDAIFNALASVKYDDWA
 KHLDDQFAKYLKITGHVSFGYDVVSDILKIKDTGDWKPLFLTLEKKAADAGVSYV
 VALLFSLLAGTTLGIWGIAIVTGILCSYIDKNKLNNTINEVLGI

Research Area Others

Source in vitro E.coli expression system

Target Names cea

Expression Region 1-522aa

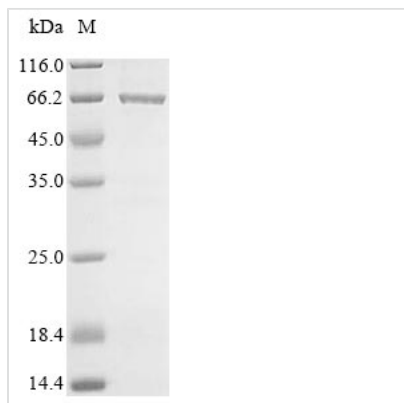
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Tag Info N-terminal 10xHis-tagged and C-terminal Myc-tagged

Mol. Weight 64.3 kDa

Protein Length Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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