

## Colicin-E1 Protein, E. coli, Recombinant (Cell-Free, His & Myc)

### General Information

Synonyms: cea; Colicin-E1

Protein Construction: 1-522 aa

Species: E. coli

Expression Host: E. coli

Accession: P02978

Molecular Weight: 64.3 kDa (predicted)

AA Sequence:

METAVAYYKDGVPYDDKGGQVITLLNGTPDGGSGGGGGKGGKSESSAAIHATAKWSTAQLKKTQAEQAA  
RAKAAAEQAQAKAKANRDALTQRLKDIVNEALRHNASRTPSATELAHANNAAMQAEDERLRLAKAEKARK  
EAEAAEKAFQAEQRRKEIEREKAETERQLKLAEAEKRLAALSEEAKAVEIAQKKLSAAQSEVVKMDGEIKTL  
NSRLSSSIHARDAEMKTLAGKRNELAQASAKYKELDELVKKLSPRANDPLQNRPFPEATRRRVGAGKIREEKQ  
KQVTASETRINRINADITQIQKAISQVSNRNAGIARVHEAEENLKAQNLLNSQIKDAVDATVSFYQTLTEK  
YGEKYSKMAQELADKSKGKKIGNVNEALAAFEKYKDVLNKKFSKADRDAIFNALASVKYDDWAKHLDQFAK  
YLKITGHVSFGYDVVSDILKIKDTGDWKPFLTLEKKAADAGVSYVVALLFSLLAGTTLGIWGIAIVTGILCSYIDK  
NKLNTINEVLGI

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

## A DRUG SCREENING EXPERT

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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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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