

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

Cat. No.:	HY-P702256
Synonyms:	Colicin-E1
Species:	E.coli
Source:	E. coli Cell-free
Accession:	P02978 (M1-I522)
Gene ID:	/
Molecular Weight:	64.3 kDa

PROPERTIES

AA Sequence	<pre> METAVAYYKD GVPYDDKGQV IITLLNGTPD GSGSGGGGGK GGSKSESSAA IHATAKWSTA QLKKTQAEQA ARAKAAAEAQ AKAKANRDAL TQRLKDIVNE ALRHNASRTP SATELAHANN AAMQAEDERL RLAKAE EKAR KEAEAAEKAF QEAEQRRKEI EREKAETERQ LKLAEEAEKR LAALSEEAKA VEIAQKKLSA AQSEVVKMDG EIKTLNSRLS SSIHARDAEM KTLAGKRNEL AQASAKYKEL DELVKKLSPR ANDPLQNRPF FEATRRRVGA GKIREEKQKQ VTASETRINR INADITQIQK AISQVSNNRN AGIARVHEAE ENLKKAQNNL LNSQIKDAVD ATVSFYQTLT EKYGEKYSKM AQELADKSKG KKIGNVNEAL AAFEKYKDV L NKKFSKADRD AIFNALASVK YDDWAKHLDQ FAKYLKITGH VSFGYDVVSD ILKIKDTGDW KPLFLTLEKK AADAGVSYVV ALLFSLLAGT TLGIWGI AIV TGI LCSYIDK NKLNTINEVL GI </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Colicin-E1, a representative of the channel-forming colicins, operates as a transmembrane toxin with the capability to induce depolarization of the cytoplasmic membrane, resulting in the dissipation of cellular energy. Belonging to the broader class of colicins, these polypeptide toxins are synthesized by and exhibit activity against *Escherichia coli* and closely related bacterial strains.

Caution: Product has not been fully validated for medical applications. For research use only.

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