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## Recombinant *Listeria monocytogenes* Listeriolysin O - PEST minus

**REP0022**  
**100µg**

### Description

Recombinant listeriolysin O without PEST sequence and with haemolytic activity. The secreted pore-forming protein listeriolysin O (LLO) is an essential virulence determinant of the facultative intracellular bacterium *Listeria monocytogenes* that allows the pathogen to escape from the phagocytic vacuole and reach the host cytosol. LLO is a single polypeptide protein encoded by the *hlyA* gene and composed of 529 residues. PEST sequence is 19 amino acids peptide located at the protein NH<sub>2</sub>-terminus, that targets the toxin for degradation thus preventing the killing of infected cell. This motif is essential for bacterial virulence.

### Product type

Biologically active recombinant protein lacking the secretion signal peptide (amino acids 1-25) and the PEST-like sequence (amino acids 33-51)

### Peptide

Recombinant protein: Listeriolysin O from *Listeria monocytogenes* – Accession number: **AF253320.1** from amino acids 59 to 529.

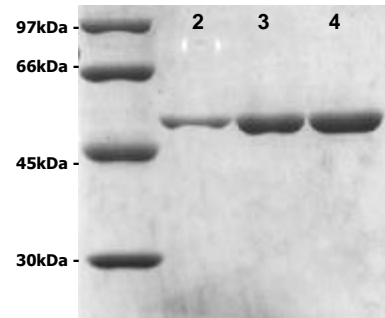
### Expression system

*Escherichia coli*

### Purity

>90% pure estimated by SDS PAGE (EU Ph. 5.0 § 2.5.31)

Purified recombinant LLO PEST-minus protein (lane 1, molecular weight standard; lane 2, 1µg; lane 3, 3µg; lane 4, 5µg) was separated by SDS-PAGE (10% polyacrylamide) and stained with Coomassie Blue.



### Form

Liquid

### Storage buffer

50 mM NaH<sub>2</sub>PO<sub>4</sub>, 0.5 M NaCl, 2.7 mM KCl, 1 mM EDTA, 1 mM DTT, 5%(v/v) glycerol.

### Storage instructions

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.