

## Product datasheet

# Recombinant listeria monocytogenes Listeriolysin (LLO) protein ab83345

[4 References](#) [1 Image](#)

### Description

<b>Product name</b>	Recombinant listeria monocytogenes Listeriolysin (LLO) protein
<b>Biological activity</b>	Hemolytic activity: 1.25x10 <sup>6</sup> HU/mg. 2 mM DTT could be use to reactivate the toxin.
<b>Purity</b>	> 90 % Ion Exchange Chromatography. Purified by hydroxyapatite and ion-exchange chromatography
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Listeria monocytogenes
<b>Amino acids</b>	60 to 529

### Specifications

Our **Abpromise guarantee** covers the use of **ab83345** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Form</b>	Liquid

### Preparation and Storage

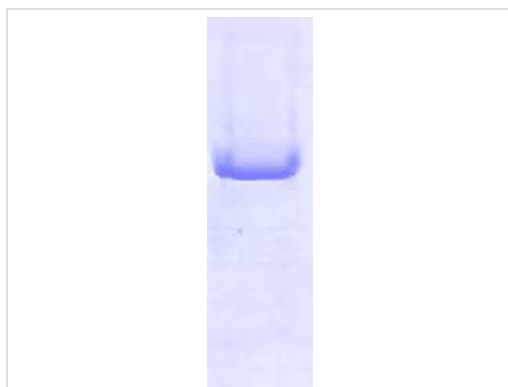
<b>Stability and Storage</b>	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.  Constituents: 0.02025% Potassium chloride, 0.82% Sodium phosphate, 0.0154% DTT, 0.0292% EDTA, 5% Glycerol, 2.9% Sodium chloride  This product is an active protein and may elicit a biological response in vivo, handle with caution.
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### General Info

## Relevance

*Listeria monocytogenes* is a facultative intracellular Gram-positive food borne bacterium, increasingly recognized as being responsible for severe infections in both humans and animals. Ingestion of contaminated food causes an infection called Listeriosis, which affects especially immunocompromised patients, newborns and pregnant women. It is characterized by severe syndromes such as encephalitis, meningoenzephalitis, septicemia and abortion. Listeriolysin O (LLO) is a single polypeptide protein secreted by the Gram-positive bacterium *Listeria monocytogenes*. LLO belongs to the group of cholesterol-binding sulfhydryl-activated toxins, the lytic activity of which is enhanced by reducing agents and is suppressed by exposure to oxygen or cholesterol. LLO hemolytic activity is maximum at pH 5.5 and rapidly decreases with the increase of the pH.

## Images



ab83345 by SDS Page, MW 52.5 kDa

SDS-PAGE - Recombinant *Listeria monocytogenes*  
Listeriolysin (LLO) protein (ab83345)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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