

Product datasheet

Recombinant listeria monocytogenes Listeriolysin (LLO) protein ab68200

Overview

Product name	Recombinant listeria monocytogenes Listeriolysin (LLO) protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Species	Listeria monocytogenes
Amino acids	60 to 529
Additional sequence information	LLO-PEST minus is composed of 471 amino acids, starting from amino acid 60 to amino acid 529, with the addition of a methionine in its NH ₂ -terminus.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab68200** in the following tested applications.

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

Biological activity	Activity : 7x10 ⁴ HU/mg. 2 mM DTT could be use to reactivate the toxin.
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Applications	SDS-PAGE
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Purity	> 90 % SDS-PAGE.
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Form	Liquid
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Additional notes

This protein can be used for: Cytosolic delivery of molecules, peptides, oligonucleodides and plasmid DNA.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
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Constituents: 0.6% Monobasic dihydrogen sodium phosphate, 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.

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.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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