

Listeriolysin-O Recombinant

Item Number	rAP-3542
Synonyms	Listeriolysin-O, LLO, hlyA.
Description	Molecular weight of Listeriolysin O is 58kDa. This haemolysin protein is provided in its mature form that is constituted by 503 amino acids, from 26 to 529 of the registered sequence (accession number: AAF64524).
Uniprot Accesion Number	Q9L5B9
Amino Acid Sequence	
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.
Formulation and Purity	The protein contains 50mM NaH ₂ PO ₄ , 1mM EDTA, 2.7mM KCl, 1mM DTT, 5% (v/v) glycerol and 0.5M NaCl. Greater than 90.0% as determined by SDS-PAGE.
Application	a. Cytosolic delivery of molecules, peptides, oligonucleodides and plasmid DNA (4). b. Production of specific monoclonal antibodies (5). c. Detection of anti-listeriolysin O antibodies (6).
Solubility	
Biological Activity	Hemolytic activity for Recombinant Listeriolysin O was 1.18 x 10 ⁵ HU/mg of protein where HU means hemolytic activity unit that is the amount of toxin needed to release half the hemoglobin (50% lysis) of the erythrocytes as determined by hemolysin ass
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**