

Recombinant Streptolysin O protein, His

Catalog Number: bs-41190P

AA Seq: 78-571/571

Predicted MW: 56 kDa

Detected MW: 62 kDa

Tags: His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: 20mM Tris-HCl (pH8.0) with 150mM NaCl.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Streptolysin is a streptococcal hemolytic exotoxin. Types include streptolysin O (SLO), which is oxygen-labile, and streptolysin S (SLS), which is oxygen-stable. An antibody, antistreptolysin O, can be detected in an antistreptolysin O titre. Streptolysin O is hemolytically active only in a reversibly reduced state, unlike streptolysin S, which is stable in the presence of oxygen. Another difference is that SLO is antigenic, while SLS is not antigenic due to its small size. The main function of streptolysin O is to cause hemolysis (the breaking open of red blood cells) — in particular, beta-hemolysis. Increased levels of aso titre in the blood could cause damage to the heart and joints. In most cases, penicillin is used to treat patients with increased levels of aso titre.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.