

Streptolysin-O Recombinant Protein



RPPB4860

Product Information Protein Information

Product SKU:

RPPB4860

Accession:

P0DF96

Host:

Escherichia Coli.

Protein description:

Recombinant Streptococcus Pyogenes Streptolysin-O produced in E.coli is a single, non-glycosylated, polypeptide chain containing 538 amino acids and having a molecular mass of 60.1kDa. The Streptolysin-O is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered white lyophilized powder.

Synonyms:

Streptolysin O, Thiol-activated cytolysin, slo.

Formulation:

Streptolysin-O protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Streptolysin-O in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Streptolysin-O although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Streptolysin-O should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

NKQNTASTET TTTNEQPKPE SSELTTEKAG QKTDDMLNSN DMIKLAPKEM PLES AEKEEK KSEDKKKSEE
DHTEEINDKI YSLNYNELEV LAKNGETIEN FVPKEGVKKA DKFIVIERKK KNINTTPVDI SIIDSVTDRT
YPAALQLANK GFTENKPDV VTKRNPQKIH IDLPGMGDKA TVEVNDPTYA NVSTAI DNLV NQWHDNYS GG
NTLPARTQYT ESMVYSKSI EAALNVNSKI LDGTLGIDFK SISKGEKKVM IAAYKQIFYT VSANLPNNPA
DVFDKSVTFK ELQRKGSNE APPLFVSNVA YGRTVFKLE TSSKSN DVEA AFSAALKGTD VKTNGKYSDI
LENS SFTAVV LGGDAAEHNK VTKDFDVIR NVIKDNATFS RKNPAYPISY TSVFLKNNKI AGVNNRTEYV
ETTSTEYTS G KINLSHQGAY VAQYEILWDE INYDDKGKEV ITKRRWDNNW YSKTSPFSTV IPLGANSRNI
RIMARECTGL AWEWWRKVID ERDVKLSKEI NVNISGSTLS PYGSITYK.