

Streptococcus pneumoniae serotype 4 Pneumolysin Recombinant Protein | ply recombinant protein

Recombinant Streptococcus pneumoniae serotype 4 Pneumolysin (ply)

CATALOG # AAA18635	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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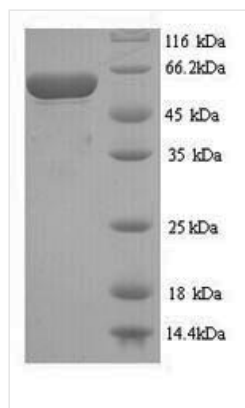
PRODUCT SYNONYMS

Streptococcus pneumoniae serotype 4 Pneumolysin; Recombinant Streptococcus pneumoniae serotype 4 Pneumolysin (ply); Thiol-activated cytolysin; ply recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-471aa; Full Length of Mature Protein
Sequence	ANKAVNDFIL AMNYDKKKLL THQGESIENR FIKEGNQLPD EFVIERKKR SLSTNTSDIS VTATNDSRLY PGALLVVDDET LLENNPTLLA VDRAPMTYSI DLPGLASSDS FLQVEDPSNS SVRGAVNDLL AKWHQDYGQV NNVPARMQYE KITAHSMEQL KVKFGSDFEK TGNSLDIDFN SVHSGEKQIQ IVNFKQIYYT VSVDVKNPG DVFQDVTVE DLKQRGISAE RPLVYISSVA YGRQVYLKLE TTSKSDEVEA AFEALIKGVK VAPQTEWKQI LDNTEVKAVI LGGDPSSGAR VVTGKVDME DLIQEGSRFT ADHPGLPISY TTSFLRDNVV ATFQNSTDYV ETKVTAYRNG DLLLDHSGAY VAQYYITWNE LSYDHQGKEV LTPKAWDRNG QDLTAHFTTS IPLKGNVRNL SVKIRECTGL AWEWWRTVYE KTDLPLVRKR TISIWGTTLY PQVEDKVEND
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ply recombinant protein	Sulfhydryl-activated toxin that causes cytolysis by forming pores in cholesterol containing host membranes. After binding to target membranes, the protein undergoes a major conformation change, leading to its insertion in the host membrane and formation of an oligomeric pore complex. Cholesterol may be required for binding to host membranes, membrane insertion and pore formation. Can be reversibly inactivated by oxidation.
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References	Complete genome sequence of a virulent isolate of Streptococcus pneumoniae.Tettelin H., Nelson K.E., Paulsen I.T., Eisen J.A., Read T.D., Peterson S.N., Heidelberg J.F., DeBoy R.T., Haft D.H., Dodson R.J., Durkin A.S., Gwinn M.L., Kolonay J.F., Nelson W.C., Peterson J.D., Umayam L.A., White O., Salzberg S.L., Lewis M.R., Radune D., Holtzapple E.K., Khouri H.M., Wolf A.M., Utterback T.R., Hansen C.L., McDonald L.A., Feldblyum T.V., Angiuoli S.V., Dickinson T., Hickey E.K., Holt I.E., Loftus B.J., Yang F., Smith H.O., Venter J.C., Dougherty B.A., Morrison D.A., Hollingshead S.K., Fraser C.M.Science 293:498-506(2001)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	447207105
NCBI Accession #	WP_001284361.1
NCBI GenBank Nucleotide #	WP_001284361.1
UniProt Accession #	P0C2J9; P11990
Molecular Weight	54.8 kDa
NCBI Official Full Name	pneumolysin
UniProt Protein Name	Pneumolysin
UniProt Gene Name	ply
UniProt Entry Name	TACY_STRPN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/ply-recombinant-protein-e-coli/18635>