

## Pneumolysin (ply) Recombinant Protein | ply recombinant protein

Recombinant Streptococcus pneumoniae serotype 4 Pneumolysin (ply)

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA278932</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

### PRODUCT SYNONYMS

Pneumolysin (ply); 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 PGALLVDET LLENNPTLLA VDRAPMTYSI DLPGLASSDS FLQVEDPSNS SVRGAVNDLL AKWHQDYGGV NNVPARMQYE KITAHSMEL KVKFGSDFEK TGNSLDIDFN SVHSGEKQIQ IVNFKQIYYT VSVDAVKNP G DVFQDTVTE DLKQRGISAE RPLVYISSVA YGRQVYLKLE TTSKSDEVEA AFEALIKGVK VAPQTEWKQI LDNTEVKAVI LGGDPSSGAR VVTGKVDME DLIQEGSRFT ADHPGLPISY TTSFLRDNV V ATFQNSTDYV ETKVTAYRNG DLLLDHSGAY VAQYYITWNE LSYDHQGEV LTPKAWRNG QDLTAHFTS IPLKGNVRNL SVKIRECTGL AWEWWRTVYE KTDLPLVRKR TISIWGTTL Y PQVEDKVEND |
| Species                 | Streptococcus pneumoniae serotype 4 (strain BAA-334/TIGR4)                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reconstitution          | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.                                                                                                       |
| Preparation and Storage | Store at -20 degree C. For extended storage, store at -20 or -80 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### ADDITIONAL INFORMATION

|                                                       |        |
|-------------------------------------------------------|--------|
| Product Categories/Family for ply recombinant protein | Others |
|-------------------------------------------------------|--------|

### 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            |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/ply-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/278932>