



Recombinant Streptococcus pneumoniae Pneumolysin (ply)

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| Product Code | CSB-EP800235SMP-B |
| Abbreviation | ply |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | Q7ZAK5 |
| Product Type | Recombinant Protein |
| Immunogen Species | Streptococcus pneumoniae (strain ATCC BAA-255 / R6) |
| Purity | >85% (SDS-PAGE) |
| Sequence | ANKAVNDFI LAMNYDKKKL LTHQGESIEN RFIKEGNQLP DEFVVIERKK RSLSTNTSDI SVTATNDSRL YPGALLVDE TLENNPTLL AVDRAPMTYS IDLPGGLASSD SFLQVEDPSN SSVRGAVNDL LAKWHQDYGQ VNNVPMQY EKITAHSMEQ LKVKFGSDFE KTGNSLDIDF NSVHSGEKQI QIVNFKQIYY TVSVDVAVKNP GDVFQDTVTV EDLKQRGISA ERPLVYISSV AYGRQVYLKL ETTSKSDEVE AAFEALIKGV KVAPQTEWKQ ILDNTEVKAV ILGGDPSSGA RVVTGKVDV EDLIQEGSRF TADHPGLPIS YTTSFRLRDNV VATFQNSTDY VETKVTAYRN GDLLLDHSGA YVAQYYITWD ELSYDHQGKE VLTPKAWDRN GQDLTAHFTT SIPLKGNVRN LSVKIRECTG LAWEEWRTVY EKTDLPLVRK RTISIWGTTL YPQVEDKVEN D |
| Source | E.coli |
| Target Names | ply |
| Protein Names | Recommended name: Pneumolysin Alternative name(s): Thiol-activated cytolysin |
| Expression Region | 2-471 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| 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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life |



of lyophilized form is 12 months at -20°C/-80°C.