



Recombinant Streptococcus pneumoniae serotype 2 Pneumolysin (ply)

Product Code	CSB-MP312102FNF
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q04IN8
Product Type	Recombinant Protein
Immunogen Species	Streptococcus pneumoniae serotype 2 (strain D39 / NCTC 7466)
Purity	>85% (SDS-PAGE)
Sequence	ANKAVNDFI LAMNYDKKKL LTHQGESIEN RFIKEGNQLP DEFVVIERKK RSLSTNTSDI SVTATNDSRL YPGALLVVDE TLENNPTLL AVDRAPMTYS IDLPGGLASSD SFLQVEDPSN SSVRGAVNDL LAKWHQDYGQ VNNVPARMQY EKITAHSM EQ LKVKFGSDFE KTGNSLDIDF NSVHSGEKQI QIVNFKQIYY TVSVDVAVKNP GDVFQDTVTV EDLKQRGISA ERPLVYISSV AYGRQVYLKL ETTSKSDEVE AAFEALIKGV KVAPQTEWKQ ILDNTEVKAV ILGGDPSSGA RVVTGKVD MV EDLIQEGSRF TADHPGLPIS YTTSFLRDNV VATFQNSTDY VETKVTAYRN GDLLLDHSGA YVAQYYITWD ELSYDHQKKE VLTPKAWDRN GQDLTAHFTT SIPLKGNVRN LSVKIRECTG LAWewwrtvy EKTDLPLVRK RTISIWGTTL YPQVEDKVEN D
Source	Mammalian cell
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.