



Recombinant Streptococcus pneumoniae Manganese ABC transporter substrate-binding lipoprotein (psaA)

Product Code	CSB-EP358523SMP-B
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.	P0A4G3
Product Type	Recombinant Protein
Immunogen Species	Streptococcus pneumoniae (strain ATCC BAA-255 / R6)
Purity	>85% (SDS-PAGE)
Sequence	C ASGKKDTTSG QKLKVVATNS IIADITKNIA GDKIDLHSIV PIGQDPHEYE PLPEDVKKTS EADLIFYNGI NLETGGNAWF TKLVENAKKT ENKDYFAVSD GVDVIYLEGQ NEKGKEDPHA WLNLENGIIF AKNIAKQLSA KDPNNKEFYE KNLKEYTDKL DKLDKESKDK FNKIPAEKKL IVTSEGAFKY FSKAYGVPSA YIWEINTEEE GTPEQIKTLV EKLQRQTKVPS LFVESSVDDR PMKTVSQDTN IPIYAQIFTD SIAEQGKEGD SYYSMMKYNL DKIAEGLAK
Source	E.coli
Target Names	psaA
Protein Names	Recommended name: Manganese ABC transporter substrate-binding lipoprotein Alternative name(s): Pneumococcal surface adhesin A
Expression Region	20-309
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.