



Recombinant *Pseudomonas aeruginosa* Alginate biosynthesis protein AlgA (algA)

Product Code	CSB-EP362255EZ
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.	P07874
Product Type	Recombinant Protein
Immunogen Species	<i>Pseudomonas aeruginosa</i> (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PRS 101 / PAO1)
Purity	>85% (SDS-PAGE)
Sequence	MIPVILSGGS GSRLWPLSRK QYPKQFLALT GDDTLFQQTI KRLAFDGMQA PLLVCNKEHR FIVQEQLAQ NLSQAILLE PFGRNTAPAV AIAAMKLVAE GRDELLLILP ADHVIQDQRA FQQALALATN AAEKGEMVLF GIPASRPETG YGYIRASADA QLPEGVSRVQ SFVEKPDEAR AREFVAAGGY YWNSGMFLFR ASRYLEELKK HDADIYDTCL LALERSQHDG DLVNIDAATF ECCPDNSIDY AVMEKTSRAC VVPLSAGWND VGSWSSIWDV HAKDANGNVT KGDVLVHDSH NCLVHGNGKL VSVIGLEDIV VVETKDAMMI AHKDRVQDVK HVVKDLDAQG RSETQNHCEV YRPWGSYDSV DMGGRFQVKH ITVKPGARLS LQMHHHRAEH WIVVSGTAQV TCDDKTFLLT ENQSTYIPIA SVHRLANPGK IPLEIIEVQS GSYLGEDDIE RLEDVYGRTA EPALQVVAGS R
Source	E.coli
Target Names	algA
Protein Names	Recommended name: Alginate biosynthesis protein AlgA Including the following 2 domains: Mannose-6-phosphate isomerase EC= 5.3.1.8 Alternative name(s): Phosphohexomutase Phosphomannose isomerase Short name= PMI Mannose
Expression Region	1-481
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 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.