



Recombinant Pseudomonas aeruginosa Alginate lyase (algL)

Product Code	CSB-EP313317EZXB
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q06749
Product Type	Recombinant Protein
Immunogen Species	Pseudomonas aeruginosa (strain ATCC 15692 / DSM 22644 / CIP 104116 / JCM 14847 / LMG 12228 / 1C / PRS 101 / PAO1)
Purity	≥85% (SDS-PAGE)
Sequence	ADL VPPPGYYAAV GERKGSAGSC PAVPPPYTGS LVFTSKYEGS DSARATLNVK AEKTFRSQIK DITDMERGAT KLVTQYMRSG RDGDLACALN WMSAWARAGA LQSDDFNHTG KSMRKWALGS LSGAYMRLKF SSSRPLAAHA EQSREIEDWF ARLGTQVVRD WSGPLPKKIN NHSYWAAWSV MSTAVVTNRR DLFDWAVSEF KVAANQVDEQ GFLPNELKRR QRALAYHNYA LPPLAMIAAF AQVNGVDLRQ ENHGALQRLA ERVMKGVDDE ETFEEKTGED QDMTDLKVDN KYAWLEPYCA LYRCEPKMLE AKKDREPFNS FRLGGEVTRV FSREGGS
Source	E.coli
Target Names	algL
Protein Names	Recommended name: Alginate lyase EC= 4.2.2.3 Alternative name(s): Poly(beta-D-mannuronate) lyase Poly(mana) alginate lyase
Expression Region	28-367
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.