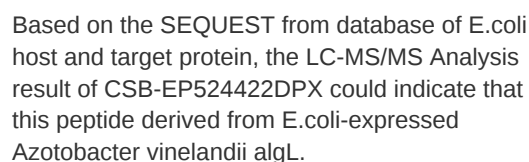
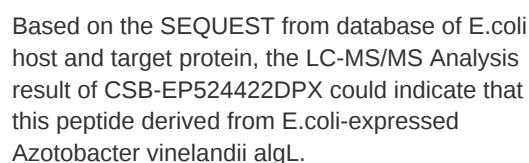
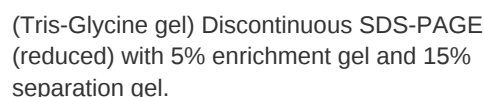




Recombinant Azotobacter vinelandii Alginate lyase (algL)

Product Code	CSB-EP524422DPX
Relevance	Catalyzes the depolymerization of alginate by cleaving the beta-1,4 glycosidic bond between two adjacent sugar residues via a beta-elimination mechanism. Splits ManA-ManA and ManA-GulA bonds, but not GulA-ManA or GulA-GulA bonds. Also cleaves acetylated residues. May serve to degrade mislocalized alginate that is trapped in the periplasmic space
Abbreviation	Recombinant Azotobacter vinelandii algL protein
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.	O52195
Alias	Poly(beta-D-mannuronate) lyase
Product Type	Recombinant Protein
Immunogen Species	Azotobacter vinelandii
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AEALVPPKGYYPVDIRKGEAPACPVVPEPFTGELVFRSKYEGSDAARSTLNE EAEKAFRTKTAPITQIERGVSRMVMRYMEKGRAGDLECTLAWLDAWAEDGAL LTTEYNHTGKSMRKWALGSLAGAYLRLKFSSSQPLAAYPEQARRIESWFAKV GDQVIKDWSDLPLKRINNHSYWAAWAVMAAGVATNRRPLFDWAVEQFHIAAG QVDSNGFLPNELKRRQRALAYHNYSLPPLMMVAAFALANGVDLRGDNDGALG RLAGNVLAGVEKPEPFAERAGDEDQDMEDLETDAKFSWLEPYCALYSCSPAL RERKAEMGPFKNFRLGGDVTRIFDPAEKSPRSTVGKRD
Research Area	others
Source	E.coli
Target Names	algL
Protein Names	Recommended name: Alginate lyase EC= 4.2.2.3Alternative name(s): Poly(beta-D-mannuronate) lyase Poly(mana) alginate lyase
Expression Region	24-374aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	59.0kDa
Protein Length	Full Length of Mature Protein
Image	



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.

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