

Recombinant Azotobacter Vinelandii ALGL Protein (24-374 aa), His-SUMO-Myc-tagged

Cat. No. ALGL-2178A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Azotobacter Vinelandii ALGL Protein (24-374 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length of Mature Protein.
Species	Azotobacter Vinelandii
Source	E.coli
ProteinLength	24-374 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	59.0 kDa
AA Sequence	AEALVPPKGYYPVDIRKGEAPACPVVPEPFTGELVFRSKYEGSDAARSTLNEEAEK AFRTKTAPITQIERGVSRMVMRYMEKGRAGDLECTLAWLDAWAEDGALLTTEYNHT GKSMRKWALGSLAGAYLRLKFSSSQPLAAYPEQARRIESWFAKVG DQVIKDWSDLP LKRINNHSYWAAWAVMAAGVATNRRPLFDWAVEQFHIAAGQVDSNGFLPNELKRR

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QRALAYHNYSLPPLMMVAAFALANGVDLRGDNDGALGRLAGNVLAGVEKPEPFAE
RAGDEDQDMEDLETDAKFSWLEPYCALYSCSPALRERKAEMGPFGNFRLGGDVTR
IFDPAEKSPRSTVGKRD

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

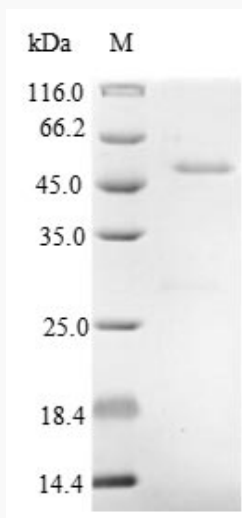
Synonyms algL; Poly(beta-D-mannuronate) lyase;

UniProt ID [O52195](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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