

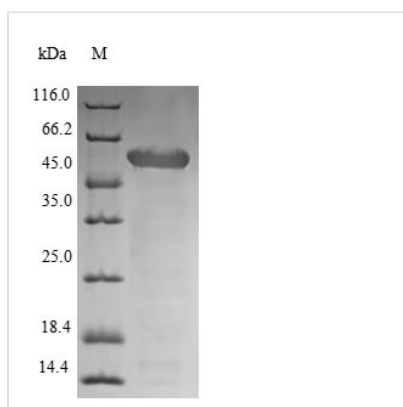


Recombinant Staphylococcus aureus Autolysin (lytA)

Product Code	CSB-EP326479FKZ
Relevance	Autolysins are involved in some important biological processes such as cell separation, cell-wall turnover, competence for genetic transformation, formation of the flagella and sporulation. Autolysin strictly depends on the presence of choline-containing cell walls for activity.
Abbreviation	Recombinant Staphylococcus aureus lytA 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.	P24556
Alias	N-acetylmuramoyl-L-alanine amidase
Product Type	Recombinant Protein
Immunogen Species	Staphylococcus aureus
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MQAKLTKNEFIERLKTSEGKQFNVDLWYGFQCFDYANAGWKVLFGLLLKGLG AKDIPFANNFDGLATVYQNTPDFLAQPQDMVVFSGSNYAGYGHVAWVIEATL DYIIVYEQNWLGGGWTDGIEQPAGVGKKLQDDNMLMISLCGLSVRILKVRQRH DQFNLLHKHPKKETAKPQPKAVELKIIKDVVKGYDLPKRGSNPKGIVIHNDAGS KGATAEAYRNGLVNAPLSRLEAGIAHSYVSGNTVWQALDESQVGWHTANQIG NKYYYGIEVCQSMGADNATFLKNEQATFQECARLLKKWGLPANRNTIRLHNEF TSTSCPHRSSVLHTGFDVPVTRGLLPEDKRLQLKDYFIKQIRAYMDGKIPVATVS NESSASSNTVKPVASAWKRNKYGTYYMEESARFTNGNQIPITVRKVGPFSLSCP VGYQFQPGGYCDYTEVMLQDGHVWVGYTWEGQRYLPIRTWNGSAPPNQIL GDLWGEIS
Research Area	others
Source	E.coli
Target Names	lytA
Protein Names	N-acetylmuramoyl-L-alanine amidase
Expression Region	1-481aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	57.8 kDa
Protein Length	Full Length



Image



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

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.