

Recombinant Pseudomonas Aeruginosa LASB Protein (198-498 aa), His-SUMO-tagged

Cat. No. LASB-1921P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pseudomonas Aeruginosa (strain ATCC 15692/PAO1/1C/PRS 101/LMG 12228) LASB Protein (198-498 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Pseudomonas Aeruginosa
Source	E.coli
ProteinLength	198-498 aa
Description	Cleaves host elastin, collagen, IgG, and several complement components as well as endogenous pro-aminopeptidase (PubMed:11533066). Autocatalyses processing of its pro-peptide (PubMed:9642203, PubMed:1744034). Processes the pro-peptide of pro-chitin-binding protein (cbpD) (PubMed:9642203). Involved in the pathogenesis of P.aeruginosa infections.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	49.1 kDa
AA Sequence	AEAGGPGGNQKIGKYTYGSDYGPLIVNDRCEMDDGNVITVDMNSSTDDSKTTPFRF ACPTNTYKQVNGAYSPLNDAHFFGGVVFVKLYRDWFGTSP LTHKLYMKVHYGRSVE NAYWDGTAMLFGDGATMFYPLVSLDVA AHEVSHGFTEQNSGLIYRGQSGGMNEAF

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	SDMAGEAAEFYMRGKNDFLIGYDIKKGSGALRYMDQPSRDGRSIDNASQYYNGIDV HHSSGVYNRAFYLLANSPGWDTRKAFEVFVDANRYYWTATSNYNSGACGVIRSAQ NRNYSAADVTRAFSTVGVTCP SAL
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 with reconstitution instruction is sent along with the products.

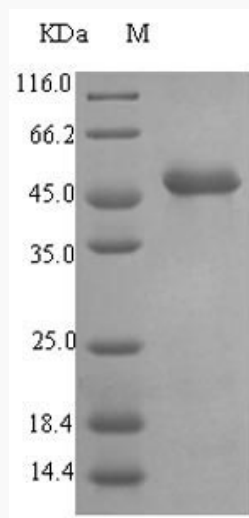
GENE INFORMATION

Gene Name	lasB elastase LasB [<i>Pseudomonas aeruginosa</i> PAO1]
Official Symbol	LASB
Synonyms	lasB; Neutral metalloproteinase PAE Pseudolysin Cleaved into the following chain: Pro-elastase;
Gene ID	880368
Protein Refseq	NP_252413
UniProt ID	P14756

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

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