

Protease lasA (lasA) Recombinant Protein | lasA recombinant protein

Recombinant Pseudomonas aeruginosa Protease lasA (lasA)

CATALOG # AAA18662	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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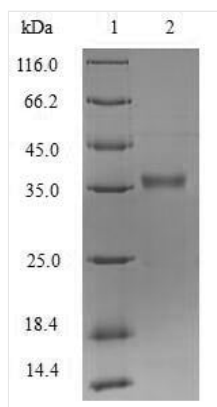
PRODUCT SYNONYMS

Protease lasA (lasA); Recombinant Pseudomonas aeruginosa Protease lasA (lasA); Protease lasA; EC=3.4.24.-; Staphylolytic protease; lasA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	237-418aa; partial
Sequence	APPSNLMQLP WRQGYSWQPN GAHSNTGSGY PYSSFDASYD WPRWGSATYS VVAAHAGTVR VLSRCQVRVT HPSGWATNYY HMDQIQVSNG QQVSADTKLG VYAGNINTAL CEGGSSTGPH LHFSLLYNGA FVSLQGASFG PYRINVGTSN YDNCRRYYF YNQSAGTTHC AFRPLYNPGL AL
Species	Pseudomonas aeruginosa (strain 15692 / PAO1 / 1C / PRS 101 / LMG 12228)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for lasA recombinant protein	Involved in proteolysis and elastolysis (degradation of the host protein elastin). Has staphylolytic activity (degrades pentaglycine cross-links in cell wall peptidoglycan), preferring Gly-Gly-[-X substrates where X is Ala or Gly (PubMed:11179971). Enhances the elastolytic but not proteolytic activity of elastase (lasB) and elastolytic activity of other proteases (PubMed:2110137). Degradation of host elastin is likely to contribute to the pathogenicity of P.aeruginosa. While either His-317 or His-356 can abstract a proton in the hydrolysis reaction, the same residue performs both functions in a given catalytic cycle, with the other stabilizing the catalytic intermediate (PubMed:20026068).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15597068
NCBI GeneID	878260
NCBI Accession #	NP_250562.1
NCBI GenBank Nucleotide #	NC_002516.2
UniProt Accession #	P14789; P72165; Q9I2M5
Molecular Weight	36 kDa
NCBI Official Full Name	LasA protease
NCBI Official Symbol	lasA
NCBI Protein Information	LasA protease
UniProt Protein Name	Protease LasA
UniProt Gene Name	lasA
UniProt Synonym Gene Names	PA1871
UniProt Entry Name	LASA_PSEAE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/lasa-recombinant-protein-e-coli/18662>