

N-Acetylmuramoyl-L-Alanine Amidase

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Recent Publications on N-Acetylmuramoyl-L-Alanine Amidase:



- [Structural analysis of bacteriophage-encoded peptidoglycan hydrolase domain KMV36C: crystallization and preliminary X-ray diffraction.](#)
*The C-terminus of gp36 of bacteriophage varphiKMV (KMV36C) functions as a...*25th September, 2008
Biomolecular Architecture and BioMacS, Chemistry Department, Katholieke- Acta Crystallogr Sect F Struct Biol Cryst Commun. 2008 Apr 1;64(Pt [\(DOI Direct Link\)](#))
- [A novel cell wall-anchored peptidoglycan hydrolase \(autolysin\), IspC, essential for Listeria monocytogenes virulence: genetic and proteomic analysis.](#)
*We have recently concluded that a Listeria monocytogenes 86 kDa...*18th September, 2008
Animal Diseases Research Institute, Ottawa, ON K2H 8P9, Canada.- Microbiology. 2008 Jul;154(Pt 7):1900-13. ([DOI Direct Link](#))
- [The structural peptidoglycan hydrolase gp181 of bacteriophage phiKZ.](#)
*Gp181 (2237 amino acids) of Pseudomonas aeruginosa bacteriophage phiKZ...*11th September, 2008
Division of Gene Technology, Department of Biosystems, Katholieke- Biochem Biophys Res Commun. 2008 Oct 3;374(4):747-51. Epub 2008 Jul 29. ([DOI Direct Link](#))
- [New strategy for enhancement of microbial viability in simulated gastric conditions based on display of starch-binding domain on cell surface.](#)
*The C-terminal region of the peptidoglycan hydrolase (CPH) of Lactococcus...*11th September, 2008
Department of Biotechnology, Graduate School of Engineering, Osaka- J Biosci Bioeng. 2008 May;105(5):503-7. ([DOI Direct Link](#))
- [Identification of selected respiratory pathogens in endodontic infections.](#)
*OBJECTIVE: To determine whether endodontic infections could harbor common...*19th August, 2008
Department of Endodontics, Prosthodontics and Operative Dentistry, Dental- Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2008 Jul;106(1):145-51. ([DOI Direct Link](#))
- [Structural analysis of the L-alanoyl-D-glutamate endopeptidase domain of Listeria bacteriophage endolysin Ply500 reveals a new member of the LAS peptidase family.](#)
*Similar to many other bacterial cell-wall-hydrolyzing enzymes, the...*14th August, 2008
Lehrstuhl fur Biologische Chemie, Technische Universitat Munchen, An der- Acta Crystallogr D Biol Crystallogr. 2008 Jun;64(Pt 6):644-50. Epub 2008 ([DOI Direct Link](#))
- [Application of in vivo induced antigen technology \(IVIAT\) to Bacillus anthracis.](#)
*In vivo induced antigen technology (IVIAT) is an immuno-screening...*9th August, 2008
Massachusetts General Hospital, Boston, Massachusetts, United States of- PLoS ONE. 2008 Mar 19;3(3):e1824. ([DOI Direct Link](#))
- [Molecular properties of the putative autolysin Atl\(WM\) encoded by Staphylococcus warneri M:](#)

[mutational and biochemical analyses of the amidase and glucosaminidase domains.](#)

*The putative autolysin Atl(WM) of Staphylococcus warneri M is a modular...*1st August, 2008

Molecular Biology Group, Graduate School of Science and Engineering,- Gene. 2008 Jun

15;416(1-2):66-76. Epub 2008 Mar 18. ([DOI Direct Link](#))

- [Characterization of the catalytic activity of the gamma-phage lysin, PlyG, specific for Bacillus anthracis.](#)

*Bacillus anthracis causes anthrax, a lethal disease affecting humans that...*30th July, 2008

Third Department of Forensic Science, National Research Institute of- FEMS Microbiol Lett. 2008

Sep;286(2):236-40. Epub 2008 Jul 25. ([DOI Direct Link](#))

- [Growth of Escherichia coli: significance of peptidoglycan degradation during elongation and septation.](#)

*We have found a striking difference between the modes of action of...*4th July, 2008

Department of Molecular Biology and Microbiology, Tufts University School- J Bacteriol. 2008

Jun;190(11):3914-22. Epub 2008 Apr 4. ([DOI Direct Link](#))

- [Mutations in ampG or ampD affect peptidoglycan fragment release from Neisseria gonorrhoeae.](#)

*Neisseria gonorrhoeae releases peptidoglycan fragments during growth. The...*4th July, 2008

Department of Medical Microbiology and Immunology, University of Wisconsin- J Bacteriol. 2008

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- [A list of enzyme preparations covered by the term enzybiotics should not be restricted to bacteriophage-encoded peptidoglycan hydrolases \(lysins\).](#)

*Neisseria gonorrhoeae releases peptidoglycan fragments during growth. The...*25th June, 2008

- J Pharm Pharmacol. 2008 Apr;60(4):531-2. ([DOI Direct Link](#))

- [A mycobacterial enzyme essential for cell division synergizes with resuscitation-promoting factor.](#)

*The final stage of bacterial cell division requires the activity of one or...*23rd May, 2008

Department of Immunology and Infectious Diseases, Harvard School of Public- PLoS Pathog. 2008

Feb 29;4(2):e1000001. ([DOI Direct Link](#))

- [Expression of C-terminal repeat region of peptidoglycan hydrolase of Lactococcus lactis IL1403 in methylotrophic yeast Pichia pastoris.](#)

*The C-terminal region of the peptidoglycan hydrolase (CPH) of Lactococcus...*20th May, 2008

Department of Biotechnology, Graduate School of Engineering, Osaka- J Biosci Bioeng. 2008

Feb;105(2):134-9. ([DOI Direct Link](#))

- [Bidirectional cell-surface anchoring function of C-terminal repeat region of peptidoglycan hydrolase of Lactococcus lactis IL1403.](#)

*With the aim of constructing an efficient protein display system for...*20th May, 2008

Department of Biotechnology, Graduate School of Engineering, Osaka- J Biosci Bioeng. 2008

Feb;105(2):116-21. ([DOI Direct Link](#))

BioNews Results for N-Acetylmuramoyl-L-Alanine Amidase

- [Antibodies to a polypeptide encoded by a nucleic acid overexpressed in melanoma](#)

PharmCast: Sep 27 2008 2:11AM Matching: n l alanine

- [Treatment of complement-associated disorders](#)

PharmCast: Sep 18 2008 3:47AM Matching: n l alanine



N-Acetylmuramoyl-L-Alanine Amidase Patents:

- 7424370- [Computational method for identifying adhesin and adhesin-like proteins of therapeutic potential](#)
- 6783930- [Development of novel anti-microbial agents based on bacteriophage genomics](#)
- 6632935- [Genome DNA of bacterial symbiont of aphids](#)
- 6608187- [C1 bacteriophage lytic system](#)
- 6544772- [Polynucleotides, materials incorporating them, and methods for using them](#)
- 6528289- [Nucleotide sequence of the Haemophilus influenzae Rd genome, fragments thereof, and uses thereof](#)
- 6521421- [Expression vectors encoding Bacillus subtilis disulfide bond isomerase and methods of secreting proteins in gram-positive microorganisms using the same](#)
- 6506581- [Nucleotide sequence of the Haemophilus influenzae Rd genome, fragments thereof, and uses thereof](#)
- 6476209- [Polynucleotides, materials incorporating them, and methods for using them](#)
- 6448043- [Enterococcus faecalis EF040 and uses therefor](#)
- 6355450- [Computer readable genomic sequence of Haemophilus influenzae Rd, fragments thereof, and uses thereof](#)
- 6319692- [Methods for transferring gene into chromosome](#)
- 6228619- [Glucosaminidase](#)
- 6184027- [Isolation and purification of eubacteria and fungus with catalytically inactive murein binding enzymes](#)
- 6159719- [Pan-bacterial and pan-fungal identification reagents and methods of use thereof](#)
- 6090573- [Detecting eubacteria and fungus and determining their antibiotic sensitivity by using catalytically inactive murein binding enzymes](#)
- 6815191- [Endo-.beta.-N-acetylglucosaminidase gene](#)
- 6846651- [Nucleotide sequence of the Haemophilus influenzae Rd genome, fragments thereof, and uses thereof](#)
- 6849413- [PGRP-L polynucleotides, polypeptides, and antibodies](#)
- 7378514- [Nucleic acid and amino acid sequences relating to Streptococcus pneumoniae for diagnostics and therapeutics](#)
- 7378258- [Nucleic acid and amino acid sequences relating to Streptococcus pneumoniae for diagnostics and therapeutics](#)
- 7371375- [Protein](#)
- 7348420- [Lactobacillus acidophilus nucleic acid sequences encoding cell surface protein homologues and uses therefore](#)
- 7332310- [Mutant of homoserine dehydrogenase from Corynebacterium and DNA encoding thereof](#)
- 7312311- [Attaching substances to microorganisms](#)
- 7244583- [Device for detecting bacterial contamination and method of use](#)
- 7169383- [Attaching substances to micro-organisms](#)
- 7125698- [Polynucleotides, materials incorporating them, and methods for using them](#)
- 7090973- [Nucleic acid sequences relating to Bacteroides fragilis for diagnostics and therapeutics](#)
- 7060458- [Nucleic acid and amino acid sequences relating to Staphylococcus epidermidis for diagnostics and therapeutics](#)
- 7052896- [Lactobacillus rhamnosus polynucleotides, polypeptides and methods for using them](#)
- 7026463- [Polynucleotides and polypeptides, materials incorporating them and methods for using them](#)

- 7018794- [Methods for monitoring multiple gene expression](#)
- 6913907- [Enterococcus faecalis polynucleotides encoding EF059](#)
- 5935804- [Method for detecting eubacteria in biological samples with catalytically inactive murein binding enzymes](#)

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