

L-Lysine 6-Transaminase

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Recent Publications on L-Lysine 6-Transaminase:



- [Synthesis of 1-piperideine-6-carboxylic acid produced by L-lysine-epsilon-aminotransferase from the *Streptomyces clavuligerus* gene expressed in *Escherichia coli*.](#)
*The gene (lat) encoding L-lysine epsilon-aminotransferase (LAT) in...*21st June, 2007
Department of Food Science, National Pingtung University of Science and- J Agric Food Chem. 2007 Mar 7;55(5):1767-72. Epub 2007 Feb 9. ([DOI Direct Link](#))
- [Identification of the initial steps in D-lysine catabolism in *Pseudomonas putida*.](#)
*Pseudomonas putida uses L-lysine as the sole carbon and nitrogen source...*23rd May, 2007
Consejo Superior de Investigaciones Cientificas, Estacion Experimental del- J Bacteriol. 2007 Apr;189(7):2787-92. Epub 2007 Jan 26. ([DOI Direct Link](#))
- [Direct evidence for a glutamate switch necessary for substrate recognition: crystal structures of lysine epsilon-aminotransferase \(Rv3290c\) from *Mycobacterium tuberculosis* H37Rv.](#)
*Lysine epsilon-aminotransferase (LAT) is a PLP-dependent enzyme that is...*16th January, 2007
Molecular and Structural Biology Division, Central Drug Research- J Mol Biol. 2006 Oct 6;362(5):877-86. Epub 2006 Aug 11. ([DOI Direct Link](#))
- [Overexpression, purification and crystallization of lysine epsilon-aminotransferase \(Rv3290c\) from *Mycobacterium tuberculosis* H37Rv.](#)
*Lysine epsilon-aminotransferase (LAT) is a protein involved in lysine...*5th August, 2006
Molecular and Structural Biology Division, Central Drug Research- Acta Crystallogr Sect F Struct Biol Cryst Commun. 2006 Jun 1;62(Pt ([DOI Direct Link](#)))
- [Increase in the rate of L-pipecolic acid production using lat-expressing *Escherichia coli* by lysP and yeiE amplification.](#)
*Biotransformation of L-lysine (L-Lys) to L-pipecolic acid (L-PA) using...*24th June, 2003
Bioresource Laboratories, Mercian Corp, Fujisawa, Japan.- Biosci Biotechnol Biochem. 2002 Sep;66(9):1981-4.
- [Biotransformation of L-lysine to L-pipecolic acid catalyzed by L-lysine 6-aminotransferase and pyrroline-5-carboxylate reductase.](#)
*The enzyme involved in the reduction of delta1-piperideine-6-carboxylate...*27th December, 2002
Bioresource Laboratories, Mercian Corp, Johnan, Fujisawa, Japan.- Biosci Biotechnol Biochem. 2002 Mar;66(3):622-7.
- [Overexpression of the lat gene in *Nocardia lactamdurans* from strong heterologous promoters results in very high levels of lysine-6-aminotransferase and up to two-fold increase in cephamycin C production.](#)
*The level of lysine-6-aminotransferase (encoded by the lat gene), an...*6th August, 2000
Area of Microbiology, Faculty of Biology, University of Leon, Spain.- Appl Microbiol Biotechnol. 2000

Mar;53(3):282-8.

- [Time-lapsed confocal microscopy reveals temporal and spatial expression of the lysine epsilon-aminotransferase gene in Streptomyces clavuligerus.](#)

To investigate the temporal and spatial expression patterns of the gene... 19th February, 2000
Department of Microbiology and Biological Process Technology Institute,- Mol Microbiol. 1999
Dec;34(5):878-86.

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