

Title (en)
GLUTAMYLCYSTEINE SYNTHETASE LIGHT SUBUNIT

Title (de)
DIE LEICHTE UNTEREINHEIT DER GLUTAMYLCYSTEIN-SYNTHETASE

Title (fr)
SOUS-UNITE LUMINEUSE DE LA SYNTHETASE GLUTAMYLCYSTEINE

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Application
EP 94914082 A 19940407

Priority

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- US 4580893 A 19930408

Abstract (en)
[origin: WO9424276A1] The nucleotide cDNA sequence for the light subunit of gamma glutamylcysteine synthetase, and the amino acid sequence for this subunit, are disclosed.

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IPC 8 full level
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Citation (search report)

- [PX] WO 9320195 A1 19931014 - FOX CHASE CANCER CENTER [US], et al
- [E] WO 9423015 A1 19941013 - UNIV COLUMBIA [US], et al
- [A] J.J. GIPP ET AL.: "Cloning and nucleotide sequence of a full length cDNA for human liver gamma-glutamincystein synthetase", BIOCHEM. AND BIOPHYS. RES. COMMUNICATIONS, vol. 185, no. 1, 29 May 1992 (1992-05-29), ACADEMIC PRESS, NEW YORK, US, pages 29 - 35, XP002038258
- [A] N. YAN AND A. MEISTER: "Amino acid sequence of rat kidney gamma-glutamylcysteine synthetase", J. BIOL. CHEM., vol. 265, no. 3, 25 January 1990 (1990-01-25), AM. SOC. BIOCHEM. MOL.BIOL.,INC.,BALTIMORE,US, pages 1588 - 1593, XP002038259
- [PX] HUANG C-S ET AL.: "THE FUNCTION OF THE LIGHT SUBUNIT OF GAMMA GLUTAMYLCYSTEINE SYNTHETASE RAT KIDNEY.", JOINT MEETING OF THE AMERICAN SOCIETY FOR BIOCHEMISTRY AND MOLECULAR BIOLOGY AND AMERICAN CHEMICAL SOCIETY DIVISION OF BIOLOGICAL CHEMISTRY, SAN DIEGO, CALIFORNIA, USA, MAY 30-JUNE 3, 1993. FASEB (FED AM SOC EXP BIOL) J 7 (7). 1993. A1102. CODEN: FAJ, 20 April 1993 (1993-04-20), XP002038685
- [PX] C.-S. HUANG ET AL.: "Amino acid sequence and function of the light subunit of rat kidney gamma-glutamylcystein synthetase", J. BIOL. CHEM., vol. 268, no. 27, 25 September 1993 (1993-09-25), AM. SOC. BIOCHEM. MOL.BIOL.,INC.,BALTIMORE,US, pages 20578 - 20583, XP002038686
- [PX] C.-S. HUANG ET AL.: "Catalytic and regulatory properties of the heavy subunit of rat kidney gamma-glutamylcysteine synthetase", J. BIOL. CHEM., vol. 268, no. 26, 15 September 1993 (1993-09-15), AM. SOC. BIOCHEM. MOL.BIOL.,INC.,BALTIMORE,US, pages 19675 - 19680, XP002038687
- See references of WO 9424276A1

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