

Molecular Recognition Mechanisms

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Molecular Recognition Mechanisms

A ribosome is a biological machine that utilizes protein dynamics on nanoscales to translate RNA into proteins. Molecular recognition plays an important role in biological systems and is observed in between receptor-ligand, antigen - antibody, DNA - protein, sugar - lectin, RNA - ribosome, etc. An important example of molecular recognition is the antibiotic vancomycin that selectively binds with the peptides with terminal D-alanyl-D-alanine in bacterial cells through five hydrogen bonds.

Molecular recognition - Wikipedia

Molecular Recognition Mechanisms 1st Edition by M. Delaage (Editor) ISBN-13: 978-0471187851. ISBN-10: 0471187852. Why is ISBN important? ISBN. This bar-code number lets you verify that you're getting exactly the right version or edition of a book. The 13-digit and 10-digit formats both work. ...

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Molecular Recognition Mechanisms for Detecting Cell Death ...

Covers molecular recognition as being the key to the development of successful drugs in fighting diseases such as AIDS, arthritis and others. Another aspect covered is the use of monoclonal antibodies as diagnostics in the design of new drugs and other pharmaceutical products.

Molecular recognition mechanisms (Book, 1991) [WorldCat.org]

Molecular mechanism of NPF recognition by EH domains. Tonny de Beer 1, Andrew N. Hoofnagle 2, Jennifer L. Enmon 2, Rebecca C. Bowers 1, Montarop Yamabhai 3

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1. J Thromb Haemost. 2005 Aug;3(8):1861-72. Molecular recognition mechanisms of thrombin. Huntington JA(1). Author information: (1)Department of Haematology, Cambridge Institute for Medical Research, Division of Structural Medicine, Thrombosis Research Unit, University of Cambridge, Cambridge, UK. jah52@cam.ac.uk Thrombin is the final protease generated in the blood coagulation cascade, and is ...

Molecular recognition mechanisms of thrombin.

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Molecular mechanisms underlying neural circuit formation

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Frontiers in Molecular Biosciences | Molecular Recognition

Mollicutes lack typical bacterial PAMPs (e.g., lipoteichoic acid, flagellin, and some lipopolysaccharides) and consequently the exact molecular mechanisms of Mycoplasmas' recognition by the cells of the immune system is the subjects of several researches for its pathogenic implications.

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(PDF) Structure and Molecular Recognition Mechanism of IMP ...

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