

Title (en)

STRUCTURAL MODELS FOR CYTOPLASMIC DOMAINS OF TRANSMEMBRANE RECEPTORS

Title (de)

STRUKTURMODELLE FÜR CYTOPLASMATISCHE DOMÄNEN VON TRANSMEMBRANEN REZEPTOREN

Title (fr)

MODELES STRUCTURAUX POUR DOMAINES CYTOPLASMIQUES DE RECEPTEURS TRANSMEMBRANAIRES

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Application

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Abstract (en)

[origin: WO0073342A1] Polypeptides containing a series of heptad-repeats that mimic a transmembrane domain and a selected cytoplasmic domain attached to the series of heptad repeats are provided which can be used in construction of structural models for evaluating the structure and activity of occupied and clustered transmembrane proteins and identifying therapeutic compounds.

IPC 1-7

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IPC 8 full level

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Citation (search report)

- [XY] HEMLER M E ET AL: "Functional role for integrin alpha subunit cytoplasmic domains.", COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, vol. 57, 1992, Meeting; Cold Spring Harbor, New York, USA; May 27-June 3, 1992, 1992 Cold Spring Harbor Laboratory Press 10 Skyline Drive, Plainview, New York 11803, USA, pages 213 - 220, XP009004544, ISSN: 0-87969-064-X
- [XDY] MUIR TOM W ET AL: "Design and chemical synthesis of a neoprotein structural model for the cytoplasmic domain of a multisubunit cell-surface receptor: Integrin alpha-IIb-beta-3 (platelet GPIIb-IIIa)", BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY, EASTON, PA, US, vol. 33, no. 24, 1994, pages 7701 - 7708, XP002144665, ISSN: 0006-2960
- [Y] HUGHES PAUL E ET AL: "Suppression of integrin activation: A novel function of a Ras/Raf-initiated MAP kinase pathway.", CELL, vol. 88, no. 4, 1997, pages 521 - 530, XP001121118, ISSN: 0092-8674
- [Y] THOMAS SHEILA M ET AL: "Specific and redundant roles of Src and Fyn in organizing the cytoskeleton.", NATURE (LONDON), vol. 376, no. 6537, 1995, pages 267 - 271, XP001135012, ISSN: 0028-0836
- [Y] ALLMAN R ET AL: "The alphavbeta3 integrin as a molecular target for anticancer drug design", EUROPEAN JOURNAL OF CANCER, PERGAMON PRESS, OXFORD, GB, vol. 33, September 1997 (1997-09-01), pages S173, XP004283621, ISSN: 0959-8049
- [A] WILLIAMS MICHAEL J ET AL: "The inner world of cell adhesion: Integrin cytoplasmic domains.", TRENDS IN CELL BIOLOGY, vol. 4, no. 4, 1994, pages 109 - 112, XP009004580, ISSN: 0962-8924
- See references of WO 0073342A1

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