

CONTENTS Vol. 141, No. 4

JB Reviews

- Regulation of Wnt Signalling by Receptor-mediated Endocytosis A. Kikuchi and H. Yamamoto 443
- Regulation of Cellular Transformation by Oncogenic and Normal Abl Kinases J. Suzuki and T. Shishido 453

Regular Papers

- Determination of the Role of the Carboxyl-terminal Leucine-122 in FMN-binding Protein by Mutational and Structural Analysis M. Kitamura, K. Terakawa, H. Inoue, T. Hayashida, K. Suto, Y. Morimoto, N. Yasuoka, N. Shibata and Y. Higuchi 459
- G1-G2 Aggrecan Product that can be Generated by M-calpain on Truncation at Ala⁷⁰⁹–Ala⁷¹⁰ is Present Abundantly in Human Articular Cartilage H. Maehara, K. Suzuki, T. Sasaki, H. Oshita, E. Wada, T. Inoue and K. Shimizu 469
- Identification of Novel Members of the *Xenopus* Ca²⁺-dependent Lectin Family and Analysis of Their Gene Expression During Tail Regeneration and Development T. Ishino, T. Kunieda, S. Natori, K. Sekimizu and T. Kubo 479
- Role of the Conserved Cysteine Residues of the 11.5 kDa Subunit in Complex I Catalytic Properties I. Marques, A. V. Ushakova, M. Duarte and A. Videira 489
- Disposition of Protein-bound 3-nitrotyrosine in Rat Plasma Analysed by a Novel Protocol for HPLC–ECD Y. H. Hitomi, J. Okuda, H. Nishino, Y. Kambayashi, Y. Hibino, K. Takemoto, T. Takigawa, H. Ohno, N. Taniguchi and K. Ogino 495
- Comparison Between Total Endothelial Progenitor Cell Isolation Versus Enriched Cd133⁺ Culture A. Casamassimi, M. L. Balestrieri, C. Fiorito, C. Schiano, C. Maione, R. Rossiello, V. Grimaldi, V. Del Giudice, C. Balestrieri, B. Farzati, V. Sica and C. Napoli 503
- Human Xanthine Oxidase Changes its Substrate Specificity to Aldehyde Oxidase Type upon Mutation of Amino Acid Residues in the Active Site: Roles of Active Site Residues in Binding and Activation of Purine Substrate Y. Yamaguchi, T. Matsumura, K. Ichida, K. Okamoto and T. Nishino 513
- Two Mutations Convert Mammalian Xanthine Oxidoreductase to Highly Superoxide-productive Xanthine Oxidase R. Asai, T. Nishino, T. Matsumura, K. Okamoto, K. Igarashi, E. F. Pai and T. Nishino 525
- Structure of the Antitumour Enzyme L-Methionine γ -Lyase from *Pseudomonas putida* at 1.8 Å Resolution D. Kudou, S. Misaki, M. Yamashita, T. Tamura, T. Takakura, T. Yoshioka, S. Yagi, R. M. Hoffman, A. Takimoto and K. Inagaki 535
- The Effect of V(III)–Adenine Complex on Yeast as a Model of Eukaryotic Cells J. Piątkowski, H. Podsiadły and K. Bukietyńska 545
- Increasing in Archaeal GlcNAc-1-P Uridyltransferase Activity by Targeted Mutagenesis while Retaining its Extreme Thermostability Z. Zhang, Jun-ichi Akutsu, M. Tsujimura and Y. Kawarabayasi 553

Mimicry of Erythropoietin and Interleukin-6 Signalling by an Antibody/Cytokine Receptor Chimera in Murine Myeloid 32D Cells	M. Kawahara, H. Ueda, K. Tsumoto, I. Kumagai and T. Nagamune	563
Different Molten Globule-like Folding Intermediates of Hen Egg White Lysozyme Induced by High pH and Tertiary Butanol	M. Hameed, B. Ahmad, K. M. Fazili, K. Andrabi and R. H. Khan	573
An Isoform of Microtubule-associated Protein 4 Inhibits Kinesin-driven Microtubule Gliding	K. Tokuraku, T.Q.P. Noguchi, M. Nishie, K. Matsushima and S. Kotani	585
Purification and Substrate Specificity of UDP-D-xylose: β -D-Glucoside α -1,3-D-Xylosyltransferase Involved in the Biosynthesis of the Xyl α 1-3Xyl α 1-3Glc β 1-O-Ser on Epidermal Growth Factor-like Domains	T. Ishimizu, K. Sano, T. Uchida, H. Teshima, K. Omichi, H. Hojo, Y. Nakahara and S. Hase	593