

CONTENTS Vol. 142, No. 5

JB Review

- Histidine Cycle Mechanism for the Concerted Proton/Electron Transfer from Ascorbate to the Cytosolic Haem *b* Centre of Cytochrome *b*₅₆₁: A Unique Machinery for the Biological Transmembrane Electron Transfer N. Nakanishi, F. Takeuchi and M. Tsubaki 553

Regular Papers

- Molecular Characterization of Plantain Class I Chitinase Gene and its Expression in Response to Infection by *Gloeosporium musarum* Cke and Masee and other Abiotic Stimuli J. Fan, H. Wang, D. Feng, B. Liu, H. Liu and J. Wang 561
- Sodium Bicarbonate Enhances Membrane-bound and Soluble Human Semicarbazide-sensitive Amine Oxidase Activity *In Vitro* M. Hernandez-Guillamon, I. Bolea, M. Solé, M. Boada, K.F. Tipton and M. Unzeta 571
- Characterization and Crystallization of an IscU-type Scaffold Protein with Bound [2Fe–2S] Cluster from the Hyperthermophile, *Aquifex aeolicus* Y. Shimomura, H. Kamikubo, Y. Nishi, T. Masako, M. Kataoka, Y. Kobayashi, K. Fukuyama and Y. Takahashi 577
- CEL-I, an Invertebrate *N*-Acetylgalactosamine-specific C-Type Lectin, Induces TNF- α and G-CSF Production by Mouse Macrophage Cell Line RAW264.7 Cells T. Yamanishi, Y. Yamamoto, T. Hatakeyama, K. Yamaguchi and T. Oda 587
- Involvement of Interleukin 18 in Cataract Development in Hereditary Cataract UPL Rats N. Nagai, Y. Ito and H. Okamura 597
- Multiple Hybridization-extension Sequencing (MHES) on Microarray Z. Pan, Y. Li, P. Xiao and Z. Lu 605
- BAF53 Interacts with p53 and Functions in p53-mediated p21-gene Transcription M. Wang, C. Gu, T. Qi, W. Tang, L. Wang, S. Wang and X. Zeng 613
- Anti-parallel Membrane Topology of a Homo-dimeric Multidrug Transporter, EmrE T. Nara, T. Kouyama, Y. Kurata, T. Kikukawa, S. Miyauchi and N. Kamo 621
- Immunochemical and Immunohistochemical Studies on Distribution of Elastin Fibres in Human Atherosclerotic Lesions using a Polyclonal Antibody to Elastin-derived Hexapeptide Repeat I. Maeda, S. Kishita, Y. Yamamoto, K. Arima, K. Ideta, J. Meng, N. Sakata and K. Okamoto 627
- Expression of Glutamate Decarboxylase Isoform, GAD65, in Human Mononuclear Leucocytes: A Possible Implication of C-terminal End Deletion by Western Blot and RT-PCR Study S. Matsukawa and H. Ueno 633
- Gliclazide Inhibits Proliferation but Stimulates Differentiation of White and Brown Adipocytes N. Nakano, N. Miyazawa, T. Sakurai, T. Kizaki, K. Kimoto, K. Takahashi, H. Ishida, M. Takahashi, K. Suzuki and H. Ohno 639

Cloning and Characterization of the <i>yjeA</i> Gene, Encoding a Novel Deoxyribonuclease, from <i>Bacillus subtilis</i>	K.-L. Ng, C.-C. Lam, Z. Fu, Y.-F. Han, K.W.K. Tsim and W.-K.R. Wong	647
Spectrally and Time-resolved Fluorescence Spectroscopic Study on Melittin–Calmodulin Interaction	T. Otsu, E. Nishimoto and S. Yamashita	655
Erratum		663