

Molecular Genetics

- Identification of a New Imprinted Gene, *Rian*, on Mouse Chromosome 12 by Fluorescent Differential Display Screening *Rapid Communication* I Hatada, S. Morita, Y. Obata, Y. Sotomaru, M. Shimoda, and T. Kono 187

CELL

Muscles, Cell Motility and Shape

- The Gelsolin/Fragmin Family Protein Identified in the Higher Plant *Mimosa pudica* S. Yamashiro, K. Kameyama, N. Kanzawa, T. Tamiya, I. Mabuchi, and T. Tsuchiya 243

Receptors and Signal Transduction

- A Serine/Threonine Kinase Which Causes Apoptosis-Like Cell Death Interacts with a Calcineurin B-Like Protein Capable of Binding Na⁺/H⁺ Exchanger M. Matsumoto, Y. Miyake, M. Nagita, H. Inoue, D. Shitakubo, K. Takemoto, C. Ohtsuka, H. Murakami, N. Nakamura, and H. Kanazawa 217

BIOTECHNOLOGY

Bioactive Substances

- A Growth Signal with an Artificially Induced Erythropoietin Receptor-gp130 Cytoplasmic Domain Heterodimer M. Kawahara, H. Ueda, K. Tsumoto, I. Kumagai, W. Mahoney, and T. Nagamune 305

Glycotechnology

- Transglycosylation and Reverse Hydrolysis Reactions of Endoglycoceramidase from the Jellyfish, *Cyanea nozakui* Y. Horibata, H. Higashi, and M. Ito 263

Immunological Engineering

- Cloning and Expression of Human Anti-Tumor Necrosis Factor- α Monoclonal Antibodies from Epstein-Barr Virus Transformed Oligoclonal Libraries M. Takekoshi, F. Maeda, Y. Nagatsuka, S. Aotsuka, Y. Ono, and S. Ihara 299

CONTENTS Rearranged According to Subject Categories, Vol. 130, No. 2

JB REVIEWS

- Microglia: Activation and Their Significance in the Central Nervous System K. Nakajima and S. Kohsaka 169
- Structure and Function of Syk Protein-Tyrosine Kinase K. Sada, T. Takano, S. Yanagi, and H. Yamamura 177

BIOCHEMISTRY

Biochemistry General

- An Efficient Refolding Method for the Preparation of Recombinant Human Prethrombin-2 and Characterization of the Recombinant-Derived α -Thrombin K. Soejima, N. Mimura, H. Yonemura, H. Nakatake, T. Imamura, and C. Nozaki 269

Protein Structure

- X-Ray Absorption Spectroscopic Analysis of the High-Spin Ferriheme Site in Substrate-Bound Neuronal Nitric-Oxide Synthase N.J. Cosper, R.A. Scott, H. Hori, T. Nishino, and T. Iwasaki 191

Nucleic Acid and Peptide Biochemistry

- In Vitro* Refolding of Porcine Pepsin Immobilized on Agarose Beads E. Kurimoto, T. Harada, A. Akuyama, T. Sakai, and K. Kato 295

Glycobiology and Carbohydrate Biochemistry

- Duck and Human Pandemic Influenza A Viruses Retain Sialidase Activity under Low pH Conditions T. Takahashi, Y. Suzuki, D. Nishinaka, N. Kawase, Y. Kobayashi, K.I.-P. Jwa Hidar, D. Miyamoto, C.-T. Guo, K.F. Shortridge, and T. Suzuki 279

Lipid Biochemistry

- Modulation of Reactive Oxygen Species in Endothelial Cells by Peroxynitrite-Treated Lipoproteins T. Matsunaga, T. Nakajima, M. Sonoda, I. Koyama, S. Kawai, I. Inoue, S. Katayama, K. Hirano, S. Hokari, and T. Komoda 285

Enzymology

- New Inhibitors of Iron-Containing Nitrile Hydratases D. Bonnet, J.M. Stevens, R.A. de Sousa, M.-A. Sari, D. Mansuy, and I. Artaud 227

- Genomic Organization of the Human Adipocyte-Derived Leucine Aminopeptidase Gene and Its Relationship to the Placental Leucine Aminopeptidase/Oxytocinase Gene A. Hattori, K. Matsumoto, S. Mizutani, and M. Tsujimoto 235

Biochemistry of Proteolysis

- A High Molecular Weight Glutamyl Endopeptidase and Its Endogenous Inhibitors from Cucumber Leaves Y. Yamauchi, Y. Ejiri, T. Sugimoto, K. Sueyoshi, Y. Oji, and K. Tanaka 257

- Identification and Characterization of an Antibacterial Peptide of the 26-kDa Protease of *Sarcophaga peregrina* with Antibacterial Activity Y. Tsuji, T. Aoyama, K. Takeuchi, K. Homma, H. Takahashi, Y. Nakajima, I. Shimada, and S. Natori 313

MOLECULAR BIOLOGY

Molecular Biology General

- Identification and Characterization of Two Penta-EF-Hand Ca^{2+} -Binding Proteins in *Dictyostelium discoideum* S. Ohkouchi, K. Nishio, M. Maeda, K. Hitomi, H. Adachi, and M. Maki 207

- A Comparative Study on Two GNRA-Tetraloop Receptors: 11-nt and IC3 Motifs Y. Ikawa, K. Nohmi, S. Atsumi, H. Shiraishi, and T. Inoue 251

Replication and Recombination

- The Carboxyl Terminal Sequence of Nucleolar Protein B23.1 Is Important in Its DNA Polymerase α -Stimulatory Activity H. Umekawa, K. Sato, M. Takemura, Y. Watanabe, S. Usui, T. Takahashi, S. Yoshida, M.O.J. Olson, and Y. Furuichi 199