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| 1. Record Nr. | UNINA9910484815103321 |
| Titolo | Handbook of Neurochemistry and Molecular Neurobiology [[electronic resource]] : Neuroactive Proteins and Peptides // edited by Ramon Lim |
| Pubbl/distr/stampa | New York, NY : , : Springer US : , : Imprint : Springer, , 2006 |
| ISBN | 0-387-30395-2 0-387-30381-2 |
| Edizione | [3rd ed. 2006.] |
| Descrizione fisica | 1 online resource (690 p.) |
| Disciplina | 612.8/042 |
| Soggetti | Neurosciences |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | NERVE GROWTH FACTOR AND RELATED PROTEINS – J. R. Perez-Polo -- SIGNALING THROUGH THE NEUROTROPHIN RECEPTORS – Y. P. Ng, K. Y. Lo, Z. H. Cheung, and N. Y. Ip -- CNTF AND RELATED NEUROKINES – S. W. Halvorsen and N. Kaur -- GDNF AND RELATED PROTEINS – H. Peterziel and J. Strelau -- FIBROBLAST GROWTH FACTORS IN BRAIN FUNCTIONS – K. Unsicker, B. Reuss, and O. von Bohlen und Halbach -- TRANSFORMING GROWTH FACTOR- β S IN THE BRAIN – K. Krieglstein -- IGF-1 IN BRAIN GROWTH AND REPAIR PROCESSES – C. Bondy, C. Cheng, J. Zhong, and W.-H. Lee -- ERYTHROPOIETIN SIGNALING PATHWAYS IN NEUROPROTECTION – M. Digicaylioglu -- TNF- α IN CNS: PHYSIOLOGIC AND PATHOLOGIC ROLES – R. N. Saha and K. Pahan -- GLIA MATURATION FACTOR IN BRAIN FUNCTION – R. Lim and A. Zaheer -- NITRIC OXIDE SYNTHASES IN BRAIN FUNCTION – S. Murphy and T. Coughlan -- 14-3-3 PROTEINS IN BRAIN FUNCTION – Y. Takahashi -- HEAT SHOCK PROTEINS IN BRAIN FUNCTION – P. Csermely -- GFAP AND ASTROCYTE INTERMEDIATE FILAMENTS – M. Pekny and U. Wilhelmsson -- GAP-43 IN NEURAL DEVELOPMENT AND PLASTICITY – N. I. Perrone-Bizzozero and D. C. Tanner -- PROTEIN ATTRACTANTS AND REPELLANTS IN AXONAL GUIDANCE – Y. Zou -- OPIOID RECEPTOR GENES AND THEIR REGULATION – L.-N. Wei and H. H. Loh -- OPIOID RECEPTOR SIGNALING AND REGULATION – P.-Y. Law and H. H. Loh -- CGRP: A MULTIFUNCTIONAL NEUROPEPTIDE – A. F. Russo and I. M. Dickerson -- SUBSTANCE P AND THE TACHYKININS – M. R. Howard, K. |

Haddley, T. Thippeswamy, S. Vasiliou, and J. P. Quinn -- SECRETIN SUPERFAMILY: PACAP, VIP AND RELATED NEUROPEPTIDES – T. Mustafa and L. E. Eiden -- HYPOCRETINS/OREXINS IN BRAIN FUNCTION – J.G. Sutcliffe and L. de Lecea -- NEUROPEPTIDE Y IN BRAIN FUNCTION – A. Thorsell and C. L. Ehlers -- CHOLECYSTOKININ PEPTIDES IN BRAIN FUNCTION – F. Noble, B. P. Roques -- OXYTOCIN AND VASOPRESSIN: GENETICS AND BEHAVIORAL IMPLICATIONS – H. K. Caldwell and W. S. Young, III -- CORTICOTROPIN-RELEASING FACTOR IN BRAIN FUNCTION – P. J. Chen and Z. Yan -- ANGIOTENSINS IN BRAIN FUNCTION – J. W. Wright and J. W. Harding -- LEPTIN IN BRAIN FUNCTION – J. Harvey.

Sommario/riassunto

This volume is a collection of a variety of brain proteins and peptides whose structures and functions are relatively well known. Each chapter provides a succinct and up-to-date summary of a protein or peptide as well as a review of the individual's contributions to the field. The volume explores the progress that has been made in the field over the past few years and provides insight into the field today.