Research Communication

Effect of CWG methylation on expression of plant genes

S. Pradhan, N.A.R. Urwin, G.I. Jenkins and R.L.P. Adams

Research Papers

Proteins

Structure and organization of the human antimicrobial peptide LL-37 in phospholipid membranes: relevance to the molecular basis for its non-cell-selective activity

Z. Oren, J.C. Lerman, G.H. Gudmundsson, B. Agerberth and Y. Shai

The cartilage-specific (V+C)-fibronectin isoform exists primarily in homodimeric and monomeric configurations


Roles of calreticulin and calnexin during mucin synthesis in LS180 and HT29/A1 human colonic adenocarcinoma cells

D.J. McCool, Y. Okada, J.F. Forstner and G.G. Forstner

Oligomeric self-association of basic fibroblast growth factor in the absence of heparin-like glycosaminoglycans

J.C. Davis, G. Venkataraman, Z. Shriver, P.A. Raj and R. Sasiakharan

Cloning of a galactose-binding lectin from the venom of Trimeresurus stejnegeri

Q. Xu, X.-F. Wu, Q.-C. Xia and K.-Y. Wang

Autocrine regulation of growth stimulation in human epithelial ovarian carcinoma by serine-proteinase-catalysed release of the urinary-type-plasminogen-activator N-terminal fragment

D.A. Fishman, A. Keams, S. Larsh, J.J. Enghild and M.S. Stack

Solution structure of a defensin-like peptide from platypus venom


Molecular and functional analysis of mouse decay accelerating factor (CD55)

C.L. Harris, N.K. Rushmere and B.P. Morgan

Enzymes

Sequencing and functional expression of the malonyl-CoA-sensitive carnitine palmitoyltransferase from Drosophila melanogaster

V.N. Jackson, J.M. Cameron, V.A. Zammit and N.T. Price

Adenylosuccinate synthase from Saccharomyces cerevisiae: homologous overexpression, purification and characterization of the recombinant protein

G. Lipps and G. Krauss

Influence of substrates on in vitro dephosphorylation of glycogen phosphorylase a by protein phosphatase-1

Z.-X. Wang

Role of lipid packing in the activity of phospholipase C-δ, as determined by hydrostatic pressure measurements

M. Rebecchi, M. Bonhomme and S. Scarlata

Two moles of O₂ consumption and one mole of H₂O₂ formation during cholesterol peroxidation with cholesterol oxidase from Pseudomonas sp. strain ST-200

N. Doukyu and R. Aono

Protein and gene structure of a blue laccase from Pleurotus ostreatus

P. Giardina, G. Palmieri, A. Scaloni, B. Fontanella, V. Faraco, G. Cennamo and G. Sannia

The final step of pantothenate biosynthesis in higher plants: cloning and characterization of pantothenate synthetase from Lotus japonicus and Oryza sativum (rice)

U. Genschel, C.A. Powell, C. Abell and A.G. Smith

Characterization of a human MHC class III region gene product with S-thioesterase activity

B. Aguado and R.D. Campbell

An unusual case of ‘uncompetitive activation’ by ascorbic acid: purification and kinetic properties of a myrosinase from Raphanus sativus seedlings


Spectral characterization and chemical modification of FMN-containing ascorbyl free-radical reductase from Pleurotus ostreatus


Cytological evidence that the C-terminus of carnitine palmitoyltransferase I is on the cytosolic face of the mitochondrial outer membrane

Characterization of homogeneous recombinant rat ovarian 20α-hydroxysteroid dehydrogenase: fluorescent properties and inhibition profile

H. Ma and T.M. Penning 853–859

Gene structure and expression

Functional divergence between the half-sites of the DNA-binding sequence for the yeast transcriptional regulator Rap1p

F.-Z. Idrissi and B. Pin 477–482

Factors involved in the duodenal expression of the human calbindin-D9k gene


Differential DNA binding by the androgen and glucocorticoid receptors involves the second Zn-finger and a C-terminal extension of the DNA-binding domains


Analysis of DNase-I-hypersensitive sites at the 3’ end of the cystic fibrosis transmembrane conductance regulator gene (CFTR)

S. Broder, A. Broder, H.-P. Schneider, C. Stegen, A.P. Halestrap and J.W. Deitmer 529–535

The purified and reconstituted ornithine/citrulline carrier from rat liver mitochondria catalyses a second transport mode: ornithine/H+ exchange

C. Indiveri, A. Tonazzi, I. Stipani and F. Palmieri 705–711

Receptors and signal transduction

Secretagogue-dependent phosphorylation of phogrin, an insulin granule membrane protein tyrosine phosphatase homologue

C. Wasmier and J.C. Hutton 563–569

Comparative inhibition by hard and soft metal ions of steroid-binding capacity of renal mineralocorticoid receptor cross-linked to the 90-kDa heat-shock protein heterocomplex

M.D. Galigniana and G. Piwien-Pilipuk 585–592

APS, an adapter protein with a PH and SH2 domain, is a substrate for the insulin receptor kinase

M. Kuroki and J.T. O'Flaherty 691–696

Extracellular signal-regulated protein kinase (ERK)-dependent and ERK-independent pathways target STAT3 on serine-727 in human neutrophils stimulated by chemotactic factors and cytokines


Fibrinogen up-regulates the expression of monocyte chemoattractant protein 1 in human saphenous vein endothelial cells

S.L. Harley and J.T. Powell 739–744

Measurement of perimitochondrial Ca2+ concentration in bovine adrenal glomerulosa cells with aequorin targeted to the outer mitochondrial membrane

Y. Brandenburger, J.-F. Arrighi, M.F. Rossier, A. Maturana, M.B. Vallotton and A.M. Capponi 745–753

Measurement of perimitochondrial Ca2+ concentration in bovine adrenal glomerulosa cells with aequorin targeted to the outer mitochondrial membrane

Y. Brandenburger, J.-F. Arrighi, M.F. Rossier, A. Maturana, M.B. Vallotton and A.M. Capponi 745–753
Co-expression of metabotropic glutamate receptor type 1α with Homer-1α/Vesl-1S increases the cell surface expression of the receptor  
F. Ciruela, M.M. Soloviev and R.A.J. McIlhinney  
795–803

Aldolase A Ins(1,4,5)P₃-binding domains as determined by site-directed mutagenesis  
C.B. Baron, D.R. Tolan, K.H. Choi and R.F. Coburn  
805–812

Enhanced purinoceptor-mediated Ca²⁺ signalling in L-fibroblasts overexpressing type 1 inositol 1,4,5-trisphosphate receptors  
R.J. Davis, R.A.J. Challiss and S.R. Nahorski  
813–820

Phosphorylation and activation of phosphodiesterase type 3B (PDE3B) in adipocytes in response to serine/threonine phosphatase inhibitors: deactivation of PDE3B in vitro by protein phosphatase type 2A  
S. Resjö, A. Oknianska, S. Zolnierowicz, V. Manganiello and E. Degerman  
839–845

Cell biology and development

Active isoprenoid pathway in the intra-erythrocytic stages of Plasmodium falciparum: presence of dolichols 11 and 12 isoprene units  
A.S. Couto, E.A. Kimura, V.J. Peres, M.L. Uhrig and A.M. Katzin  
629–637

Specific inhibition of skeletal alpha-actin gene transcription by applied mechanical forces through integrins and actin  
A.M. Lew, M. Glogauer and C.A.G. McCulloch  
647–653

Transcripts encoding the sperm surface protein tMDC II are non-functional in the human  
J. Frayne, E.A.C. Dimsey, J.A. Jury and L. Hall  
771–775

Corrections

Interaction of platelet-derived growth factor with thrombospondin 1  
861

Actin filaments participate in the relocalization of phosphatidylinositol 3-kinase to glucose transporter containing compartments and in the stimulation of glucose uptake in 3T3-L1 adipocytes  
861

Molecular characterization and expression of the gene for mouse NAD⁺:arginine ecto-mono(ADP-ribosyl)transferase, Art  
862

Transcriptional autorepression of Msx1 gene is mediated by interactions of Msx1 protein with a multi-protein complex containing TATA-binding protein, Sp1 and cAMP-response-element-binding protein-binding protein (CBP/p300)  
862

Purification of xyloglucan endotransglycosylases (XETs): a generally applicable and simple method based on reversible formation of an enzyme–substrate complex  
by N.M. Steele and S.C. Fry (volume 340, pages 207–211, 1999)  
862

Structural elements within the methylation loop (residues 112–117) and EF hands III and IV of calmodulin are required for Lys¹¹⁵ trimethylation  
863