Biochemical Journal Volume 364, part 3 15 June 2002

Subscribing organizations are encouraged to copy and distribute this table of contents for non-commercial purposes

	"	O١	

Structure-function of the multifunctional Ca2+/calmodulin-dependent protein kinase II by A. Hudmon and H. Schulman

Published as BJ Immediate Publication 4 April 2002, DOI 10.1042/BJ20020228

Research Communications

Expression and purification of functional recombinant meningococcal transferrin-binding protein A

Published as BJ Immediate Publication 25 April 2002, DOI 10.1042/BJ20020500

Two isoforms of Saccharomyces cerevisiae glutaredoxin 2 are expressed in vivo and localize to different subcellular compartments Published as BJ Immediate Publication 17 April 2002, DOI 10.1042/BJ20020570

Evidence for the nitration of γ -tocopherol in vivo: 5-nitro-γ-tocopherol is elevated in the plasma of subjects with coronary heart disease Published as BJ Immediate Publication 18 April 2002, DOI 10.1042/BJ20020491

J.S. Oakhill, C.L. Joannou, S.K. Buchanan, A.R. Gorringe and RW Evans

J.R. Pedrajas, P. Porras, E. Martínez-Galisteo, C.A. Padilla, 617-623 A. Miranda-Vizuete and J.A. Bárcena

L.W. Morton, N.C. Ward, K.D. Croft and I.B. Puddey 625-628

Research Papers

The structure of procaspase 6 is similar to that of active mature caspase 6

Published on the Internet 10 June 2002, DOI 10.1042/BJ20011787

Calcium-binding parameter of Bacillus amyloliquefaciens α -amylase determined by inactivation kinetics

Published on the Internet 10 June 2002, DOI 10.1042/BJ20011436

Specific detection of the endogenous transient receptor potential (TRP)-1 protein in liver and airway smooth muscle cells using immunoprecipitation and Western-blot analysis

Published on the Internet 10 June 2002, DOI 10.1042/BJ20020061

HIV-1 Tat-associated RNA polymerase C-terminal domain kinase, CDK2, phosphorylates CDK7 and stimulates Tat-mediated transcription

Published on the Internet 10 June 2002, DOI 10.1042/BJ20011191

Expression of human electron transfer flavoproteinubiquinone oxidoreductase from a baculovirus vector: kinetic and spectral characterization of the human protein

Published on the Internet 10 June 2002, DOI 10.1042/BJ20020042

Human tastin, a proline-rich cytoplasmic protein, associates with the microtubular cytoskeleton Published on the Internet 10 June 2002, DOI 10.1042/BJ20011836

Characterization of recombinant glutathionylspermidine synthetase/amidase from Crithidia fasciculata

B.H. Kang, E. Ko, O.-K. Kwon and K.Y. Choi

A. Tanaka and E. Hoshino

H.L. Ong, J. Chen, T. Chataway, H. Brereton, L. Zhang, T. Downs, L. Tsiokas and G. Barritt

S. Nekhai, M. Zhou, A. Fernandez, W.S. Lane, N.J.C. Lamb, J. Brady and A. Kumar

M. Šimkovič. G.D. Degala. S.S. Eaton and F.E. Frerman

D. Nadano, J. Nakayama, S.-i. Matsuzawa, T.-A. Sato, T. Matsuda and M.N. Fukuda

S.L. Oza, M.R. Ariyanayagam and A.H. Fairlamb

593-611

613-616

629-634

635-639

641-648

649-657

659-667

669-677

679-686

Published on the Internet 10 June 2002, DOI 10.1042/BJ20011370

Evaluation of the role of peroxisome-proliferator-activated receptor α in the regulation of cardiac pyruvate dehydrogenase kinase 4 protein expression in response to starvation, high-fat feeding and hyperthyroidism <i>Published on the Internet 10 June 2002, DOI 10.1042/BJ20011841</i>	M.J. Holness, N.D. Smith, K. Bulmer, T. Hopkins, G.F. Gibbons and M.C. Sugden	687–694
Roles of various phospholipases $\rm A_2$ in providing lysophospholipid acceptors for fatty acid phospholipid incorporation and remodelling Published on the Internet 10 June 2002, DOI 10.1042/BJ20020142	J. Balsinde	695–702
Membrane-associated dipeptidyl peptidase IV is involved in encystation-specific gene expression during <i>Giardia</i> differentiation <i>Published on the Internet 10 June 2002, DOI 10.1042/BJ20020025</i>	M.C. Touz, M.J. Nores, I. Slavin, L. Piacenza, D. Acosta, C. Carmona and H.D. Luján	703–710
Effects of modifications of α -crystallin on its chaperone and other properties Published on the Internet 10 June 2002, DOI 10.1042/BJ20011512	B.K. Derham and J.J. Harding	711–717
γ-Glutamyl transpeptidase expression in Ewing's sarcoma cells: up-regulation by interferons Published on the Internet 10 June 2002, DOI 10.1042/BJ20011854	L. Bouman, J. Sancéau, D. Rouillard and B. Bauvois	719–724
Solution structure and backbone dynamics of human epidermal-type fatty acid-binding protein (E-FABP)	L.H. Gutiérrez-González, C. Ludwig, C. Hohoff, M. Rademacher, T. Hanhoff, H. Rüterjans, F. Spener and C. Lücke	725–737
Published on the Internet 10 June 2002, DOI 10.1042/BJ20020039		
Involvement of matrix metalloproteinases in the adipose conversion of 3T3-L1 preadipocytes Published on the Internet 10 June 2002, DOI 10.1042/BJ20011158	G. Croissandeau, M. Chrétien and M. Mbikay	739–746
Correction of mucopolysaccharidosis type IIIb fibroblasts by lentiviral vector-mediated gene transfer Published on the Internet 10 June 2002, DOI 10.1042/BJ20011872	G.R.D. Villani, A. Follenzi, B. Vanacore, C. di Domenico, L. Naldini and P. di Natale	747–753
Differential role of glycolipid-enriched membrane domains in glycoprotein VI- and integrin-mediated phospholipase $C\gamma 2$ regulation in platelets Published on the Internet 10 June 2002, DOI 10.1042/BJ20020128	P. Wonerow, A. Obergfell, J.I. Wilde, R. Bobe, N. Asazuma, T. Brdička, A. Leo, B. Schraven, V. Hořejší, S.J. Shattil and S.P. Watson	755–765
Expression of solute carrier 7A4 (SLC7A4) in the plasma membrane is not sufficient to mediate amino acid transport activity Published on the Internet 10 June 2002, DOI 10.1042/BJ20020084	S. Wolf, A. Janzen, N. Vékony, U. Martiné, D. Strand and E.I. Closs	767–775
Cytoplasmic domains of the reduced folate carrier are essential for trafficking, but not function Published on the Internet 10 June 2002, DOI 10.1042/BJ20011361	H. Sadlish, F.M.R. Williams and W.F. Flintoff	777–786
TcGPXII, a glutathione-dependent <i>Trypanosoma</i> cruzi peroxidase with substrate specificity restricted to fatty acid and phospholipid hydroperoxides, is localized to the endoplasmic reticulum <i>Published on the Internet 10 June 2002, DOI 10.1042/BJ20020038</i>	S.R. Wilkinson, M.C. Taylor, S. Touitha, I.L. Mauricio, D.J. Meyer and J.M. Kelly	787–794
Limnanthes douglasii lysophosphatidic acid acyltransferases: immunological quantification, acyl selectivity and functional replacement of the Escherichia coli plsC gene Published on the Internet 10 June 2002, DOI 10.1042/BJ20020071	A.P. Brown, S. Carnaby, C. Brough, M. Brazier and A.R. Slabas	795–805
Multiple forms of the catalytic centre, Cu_z , in the enzyme nitrous oxide reductase from <i>Paracoccus</i> pantotrophus	T. Rasmussen, B.C. Berks, J.N. Butt and A.J. Thomson	807–815
Published on the Internet 10 June 2002, DOI 10.1042/BJ20020055 Cloning, structural characterization and functional expression of a zebrafish bradykinin B2-related receptor	T. Dunér, J.M. Conlon, J.P. Kukkonen, K.E.O. Åkerman, YL. Yan, J.H. Postlethwait and D. Larhammar	817–824
Published on the Internet 10 June 2002, DOI 10.1042/BJ20011201 Identification, cloning and expression of the mouse N-acetylglutamate synthase gene	L. Caldovic, H. Morizono, X. Yu, M. Thompson, D. Shi, R. Gallegos, N.M. Allewell, M.H. Malamy and M. Tuchman	825–831
Published on the Internet 10 June 2002, DOI 10.1042/BJ20020161		

		Contents	xiii
Disruption of iron-sulphur cluster N2 from NADH:ubiquinone oxidoreductase by site-directed mutagenesis Published on the Internet 10 June 2002, DOI 10.1042/BJ20011750	M. Duarte, H. Pópulo, A. Videira, T. Friedrich and U. Schulte		833–839
Mapping of a spectrin-binding domain of human erythrocyte membrane protein 4.2 Published on the Internet 10 June 2002, DOI 10.1042/BJ20020195	D. Mandal, P.K. Moitra and J. Basu		841–847
Hydrolysable ATP is a requirement for the correct interaction of molecular chaperonins cpn60 and cpn10 Published on the Internet 10 June 2002, DOI 10.1042/BJ20011643	C. Walters, N. Errington, A.J. Rowe and S.E. Harding		849–855
Composition of the λ plasmid heritable replication complex Published on the Internet 10 June 2002, DOI 10.1042/BJ20011488	K. Potrykus, S. Barańska, A. Węgrzyn and G. Węgrzyn		857–862
Desensitization of endothelial nitric oxide synthase by receptor agonists Published on the Internet 10 June 2002, DOI 10.1042/BJ20011178	S. Wagner, K. Groschner, B. Mayer and K. Schmidt		863–868
Role of ATP-binding motifs on DNA-binding activity and biological function of Rhp51, a Rad51 homologue in fission yeast Published on the Internet 10 June 2002, DOI 10.1042/BJ20020214	W.J. Kim, H. Lee, E.J. Park, S.H. Hong and S.D. Park		869–874
Biphasic regulation of extracellular-signal-regulated protein kinase by leptin in macrophages: role in regulating STAT3 Ser ⁷²⁷ phosphorylation and DNA binding Published on the Internet 10 June 2002, DOI 10.1042/BJ20020295	L. O'Rourke and P.R. Shepherd		875–879
Doxorubicin and octreotide induce a 40 kDa breakdown product of p53 in human hepatoma and tumoral colon cell lines Published on the Internet 10 June 2002, DOI 10.1042/BJ20020349	Z. Sadji-Ouatas, M. Lasfer, S. Julien, G. Feldmann and F. Reyl-Desmars		881–886
Corrections			
Modulation of <i>Mycobacterium tuberculosis</i> DnaA protein-adenine nucleotide interactions by acidic phospholipids <i>by</i> K. Yamamoto, S. Muniruzzaman, M. Rajagopalan and M.V.V.S. Madiraju (volume 363, pages 305-311,			887
2002) Published on the Internet 10 June 2002 Crystal structure of human			888
dehydroepiandrosterone sulphotransferase in complex with substrate by P.H. Rehse, M. Zhou and SX. Lin (volume 364, pages 165–171, 2002) Published on the Internet 10 June 2002			