BIOCHEMICAL JOURNAL

Volume 410, part 3

15 March 2008

http://www.BiochemJ.org

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

B

Review			
The Hsp90 molecular chaperone: an open and shut case for treatment Published on the Internet 27 February 2008, doi:10.1042/BJ20071640	L.H. Pearl, C. Prodromou and P. Workman	Aultimed's	439–453
Online Commentary			
Calcium-dependent Pyk2 activation: a role for calmodulin? Published on the Internet 27 February 2008, doi:10.1042/BJ20080133 (see accompanying paper, pp. 513–523)	M.D. Schaller		e3–e4
Research Papers			
The role of OXA-1 β -lactamase Asp ⁶⁶ in the stabilization of the active-site carbamate group and in substrate turnover <i>Published as BJ Immediate Publication 21 November 2007, doi:10.1042/BJ20070573</i>	D.A. Leonard, A.M. Hujer, B.A. Smith, K.D. Schneider, C.R. Bethel, K.M. Hujer and R.A. Bonomo		455–462
Acyl-CoA-binding protein (ACBP) localizes to the endoplasmic reticulum and Golgi in a ligand-dependent manner in mammalian cells Published as BJ Immediate Publication 22 October 2007, doi:10.1042/BJ20070559	J.S. Hansen, N.J. Færgeman, B.B. Kragelund and J. Knudsen	online davs	463–472
Deprivation of protein or amino acid induces $C/EBP\beta$ synthesis and binding to amino acid response elements, but its action is not an absolute requirement for enhanced transcription <i>Published as BJ Immediate Publication 6 December 2007, doi:10.1042/BJ20071252</i>	M.M. Thiaville, E.E. Dudenhausen, C. Zhong, YX. Pan and M.S. Kilberg		473–484
A decrease in cellular energy status stimulates PERK-dependent elF2 α phosphorylation and regulates protein synthesis in pancreatic β -cells <i>Published as BJ Immediate Publication 3 December 2007,</i> <i>doi:10.1042/BJ20071367</i>	E. Gomez, M.L. Powell, A. Bevington and T.P. Herbert		485–493
Permissive transmembrane helix heterodimerization is required for the expression of a functional integrin <i>Published as BJ Immediate Publication 21 November 2007,</i> <i>doi:10.1042/BJ20071218</i>	A. Vararattanavech, ML. Tang, HY. Li, CH. Wong, S.K.A. Law, J. Torres and SM. Tan		495–502
Mammalian Notum induces the release of glypicans and other GPI-anchored proteins from the cell surface Published as BJ Immediate Publication 30 October 2007, doi:10.1042/BJ20070511	A. Traister, W. Shi and J. Filmus		503–511
Protein-tyrosine kinase CAK β /PYK2 is activated by binding Ca ²⁺ /calmodulin to FERM F2 α 2 helix and thus forming its dimer <i>Published as BJ Immediate Publication 21 November 2007,</i> <i>doi:10.1042/BJ20070665</i>	T. Kohno, E. Matsuda, H. Sasaki and T. Sasaki	Online commentary	513–523
Unsaturated lipid peroxidation-derived aldehydes activate autophagy in vascular smooth-muscle cells <i>Published as BJ Immediate Publication 3 December 2007,</i> <i>doi:10.1042/BJ20071063</i>	B.G. Hill, P. Haberzettl, Y. Ahmed, S. Srivastava and A. Bhatnagar	Online dava	525–534

Negative regulation of cell-cycle progression by RINGO/Speedy EA. Dinarina, E.J. Ruiz, A. O'Loghlen, S. Mouron, L. Perez53and A.R. Nebreda	535–542
Published as BJ Immediate Publication 12 December 2007, doi:10.1042/BJ20071453	
Role of histidine residues in EcoP15I DNA P.S. Jois, N. Madhu and D.N. Rao 5. methyltransferase activity as probed by chemical modification and site-directed mutagenesis 5. Published as BJ Immediate Publication 9 November 2007, doi:10.1042/BJ20070900 9. 9.	543–553
Enhanced cell-surface stability of rescued ΔF508K. Varga, R.F. Goldstein, A. Jurkuvenaite, L. Chen,54cystic fibrosis transmembrane conductanceS. Matalon, E.J. Sorscher, Z. Bebok and J.F. Collawn54regulator (CFTR) by pharmacological chaperonesS. Matalon, E.J. Sorscher, Z. Bebok and J.F. Collawn54Published as BJ Immediate Publication 4 December 2007,60:10.1042/BJ2007142054	55–564
Oxidation of myosin by haem proteins generates M.N. Lund, C. Luxford, L.H. Skibsted and M.J. Davies 5 myosin radicals and protein cross-links Published as BJ Immediate Publication 26 November 2007, doi:10.1042/BJ20071107 6	65–574
Post-transcriptional regulation of CLMP mRNA is KL. Sze, WY. Lui and W.M. Lee 5 controlled by tristetraprolin in response to TNFα via c-Jun N-terminal kinase signalling 5 Published as BJ Immediate Publication 30 November 2007, doi:10.1042/BJ20070901 6 5	i75–583
EGF and amphiregulin differentially regulate CblK.A. Stern, T.L. Place and N.L. Lill54recruitment to endosomes and EGF receptor fate Published as BJ Immediate Publication 28 November 2007, doi:10.1042/BJ20071505K.A. Stern, T.L. Place and N.L. Lill54	i85–594
Contribution of leptin receptor N-linked glycans to leptin bindingY. Kamikubo, C. Dellas, D.J. Loskutoff, J.P. Quigley54Published as BJ Immediate Publication 6 November 2007, doi:10.1042/BJ20071137And Z.M. Ruggeri54	i95–604
Matrix metalloproteinase-3 induction in rat brain K.S. Kim, H.Y. Kim, Eh. Joe and I. Jou 6 astrocytes: focus on the role of two AP-1 elements Fublished as BJ Immediate Publication 11 December 2007, doi:10.1042/BJ20071207 6	605–611
ODCp, a brain- and testis-specific ornithine Z. Snapir, A. Keren-Paz, Z. Bercovich and C. Kahana 6 decarboxylase paralogue, functions as an antizyme inhibitor, although less efficiently than Azl1 Published as BJ Immediate Publication 30 November 2007, doi:10.1042/BJ20071423	i13–619
Molecular identification of three <i>Arabidopsis thaliana</i> mitochondrial dicarboxylate carrier isoforms: organ distribution, bacterial expression, reconstitution into liposomes and functional characterization <i>Published as BJ Immediate Publication 26 November 2007</i> , doi:10.1042/BJ20070867	621–629
Corrections	
ATPase activity associated with the magnesium chelatase H-subunit of the chlorophyll biosynthetic pathway is an artefact Volume 400 (2006), pp. 477–484N. Sirijovski, U. Olsson, J. Lundqvist, S. Al-Karadaghi, R.D. Willows and M. Hansson	631
Diacylglycerol kinases: at the hub of cell signalling I. Mérida, A. Ávila-Flores and E. Merino	631
The role of loop and β-turn residues as structural and functional determinants for the lipoyl domain from the Escherichia coli 2-oxoglutarate dehydrogenase complex Volume 409 (2008), pp. 357-366D.D. Jones and R.N. Perham	631