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Dimer-monomer equilibrium of human HSP27 is influenced by the in-cell macromolecular crowding environment and is controlled by fatty acids and heat

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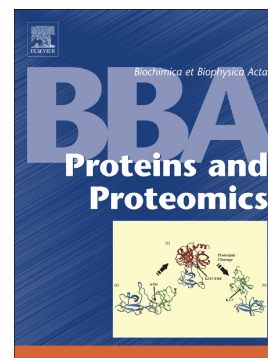
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Keywords

heat shock protein 27, polyunsaturated fatty acid, stress response, macromolecular crowding, protein hydration

Abbreviations

EC, endothelial cell; DHA, docosahexaenoic acid; 2ME, 2-mercaptoethanol; EPA, eicosapentaenoic acid; ARA, arachidonic acid; OLA, oleic acid; NSG, *N*, *N'*-succinimidyl glutarate; NAC, *N*-acetylcysteine; ROS, reactive oxygen species; PUFA, polyunsaturated fatty acid; CMC, critical micelle concentration

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