
Letter to the Editor

NMR backbone assignment of the N-terminal domain of human HSP90

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90 kDa heat shock protein (HSP90) is a ubiquitous ATP-dependent chaperone. It has recently gained interest as an important drug target as many disease-related proteins are client of the HSP90 chaperoning machinery. HSP90 consists of three domains, a C-terminal dimerization domain, a central chaperoning domain and a 25 kDa N-terminal ATPase domain. The latter has the Bergerat fold found in other ATP-binding proteins and is the point of attack for HSP90 inhibitors such as radicicol or geldanamycin. The N-terminal construct HSP90(9-223) was assigned using 3D experiments on triple ^2H , ^{13}C , ^{15}N labeled protein. Backbone and C_β shifts for 82% of the expected signals are reported. BMRB deposit with accession number 7003.

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