

Letter to the Editor

New NMR assignment ^1H , ^{13}C , and ^{15}N assignment of the second PH domain of human pleckstrin (234–350)

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Pleckstrin is the major target of protein kinase C (PKC) in blood platelets (Lyons and Atherton, 1979). It consists of 3 domains: a pleckstrin homology (PH) domain at each terminus and a central DEP domain. The structures of both the N-terminal PH domain and the DEP domain have been previously determined by NMR. In order to assemble full-length pleckstrin from its constituting domains we solved the structure of the third domain of pleckstrin, C–PH by NMR. 2D and 3D heteronuclear NMR experiments were performed with ^{13}C , ^{15}N -labeled C–PH (residues 234–350). Most of the resonances were assigned with the exception of the carbonyl atoms, the N resonances of the prolines and the N-terminal His₆-tag. The resonances of the β 1– β 2 loop (H236, R237, R238, K239) were also not assigned, most likely because of conformational exchange on intermediate time-scales. The assignments have been deposited in the BioMagResBank under accession number 6873.

Reference: Lyons and Atherton (1979) *Biochemistry*, **18**, 544–552.

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Supplementary material is available in electronic format at <http://dx.dio.org/10.1007/s10858-005-6053-2>.