

ThermaFit3D Program



Thermal denaturation analysis for 3D CD spectra

Multi State Analysis

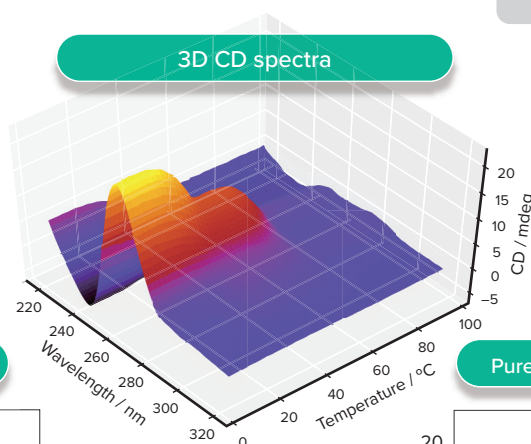
More sophisticated than a single wavelength melt, ThermaFit3D can fully deconvolve complex denaturation revealing spectra of intermediate species, even tracking them across temperature.

Thermodynamic Analysis

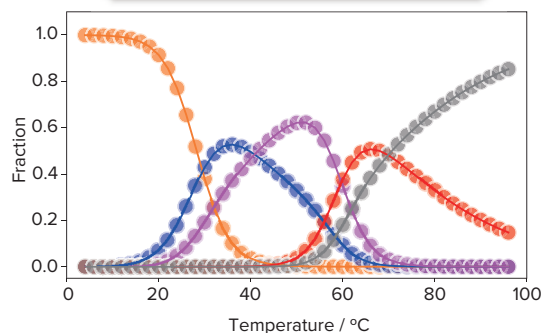
Calculation of ΔH , ΔS , and T_m for Each Transition.

For Any Sample

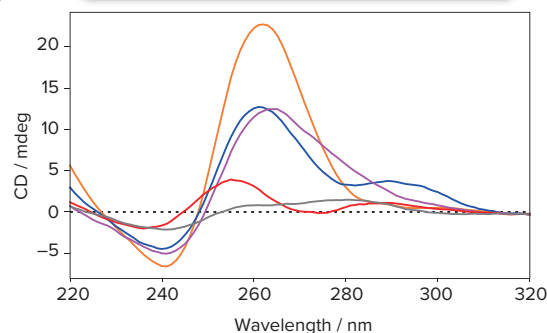
Determine Melting points of Antibodies, Proteins, Peptides and Nucleic Acids.



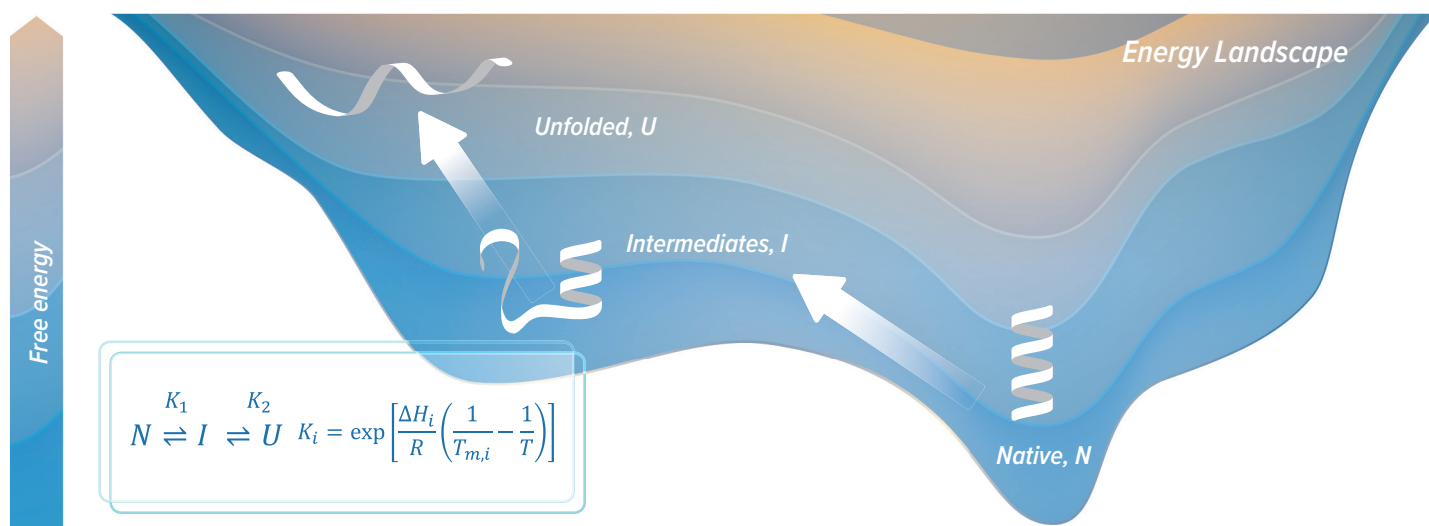
Concentration profile



Pure spectra of five structure component



Analysis of Thermal Denaturation Including Intermediates



Developed through joint research with Ikebukuro Tsugawa Asano Laboratory at Department of Biotechnology and Life Science, Tokyo University of Agriculture and Technology.

For details of analysis using ThermaFit3D program, please refer to the following paper:

Functional and Structural Analyses of Diverse G-Quadruplex and Non-G-Quadruplex Structures Formed by Guanine-Rich Nucleic Acids: A Study on the Insulin Aptamer. doi: 10.1002/smll.202501336.

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