

ウシβ ラクトグロブリンのフォールディング中間体の構造解析
**Structural analysis of α -helix-rich intermediate of
bovine β -lactoglobulin on its folding pathway**

Masaji Shinjo¹⁾, Zhi-jie Qin²⁾, Yoshitaka Matsumura¹⁾ Jinsong Li¹⁾ and Hiroshi Kihara¹⁾

1) Department of Physics, Kansai Medical University

2) Department of Chemistry and Biochemistry, University of California at Santa Cruz

Bovine β -lactoglobulin forms α -helix-rich intermediate in the early stage of its folding pathway¹⁾. To investigate structures of the intermediates, we have done cryo-stopped-flow monitored by X-ray solution scattering method. Radius of gyration of the intermediate is 23Å, larger than that of the native state (19Å). Molecular structure was calculated from the X-ray solution scattering profile by GASBOR program²⁾. Two domain structure was obtained from the calculation.

1) Qin *et al.* (2001) FEBS lett. 507, 299-302.

2) Svergun *et al.* (2001) Biophys. J, 80, 2946-2953.

記入例

BL-0A

放射光 Synchrotron Radiation

表題は必ず英語表記も記入

筑波太郎¹、筑波次郎²

1 KEK-放射光、2 KEK-放射光 II

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