Supporting information

Synthesis of A New Bifunctionalized Fluorescent Label and Physical Properties of the Bound Form on Model Peptide of Troponin C

Tasuku Hirayama,1 Shohei Iyoshi,1 Masayasu Taki,1 Yuichiro Maeda,2,3 Yukio Yamamoto1*

1Graduate School of Human & Environmental Studies, Kyoto University, Yoshida, Sakyo-ku, Kyoto 606-8501, Japan.
2ERATO Actin Filament Dynamics Project, Japan Science and Technology Agency, c/o RIKEN, Harima SPring-8 Center, 1-1-1 Kouto, Sayo, Hyogo 679-5148 (Japan)
3Graduate School of Science, Nagoya University, Furo-cho, Nagoya, 464-8602, Japan.

MALDI-TOF mass spectra and CD spectra of all the peptides are described in this supporting information.

< MALDI-TOF mass spectra >

MALDI-TOF mass spectra were recorded by using Applied Biosystem Voyager-DE™ PRO with α-cyano-4-hydroxycinnamic acid (CHCA) as a matrix.

Fig. S1 MALDI-TOF mass spectra of (a) model peptide, (b) BRos-pep, (c) BRho-pep-1, and (d) BRho-pep-2.
CD spectra of the labeled peptides were obtained by JASCO J-715 spectropolarimeter in a condition of 25 μM peptide solution in MilliQ at 20°C with 1 mm cell and sweeping rate of 20 nm/min.

Fig. S2 CD spectra of C8C15 (black), BRos-pep (blue), BRho-pep1 (blue), and BRho-pep2 (pink).