Cellular and Molecular Life Sciences

Functional characterization of the human α-cardiac actin mutations Y166C and M305L involved in hypertrophic cardiomyopathy

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Online Resource 5: Immunostaining of established culture cells aftern transfection with EGFP-tagged cardiac actins.

(A-C) NIH 3T3 cells transfected with EGFP-tagged cardiac actins as indicated in the middle margin. (D-F) Cardiomyocyte-like HL-1 cells transfected with EGFP-tagged cardiac actins (for details see text).
The lower row shows the EGFP-fluorescence (green) in NIH 3T3 cells transfected with EGFP-actins and (A-C) counterstained with anti-emerin (red) to demonstrate the nuclear localization of the actin rods and (D-F) counterstained with anti-cofilin (red) to demonstrate the association of endogenous cofilin to the exogenous cardiac EGFP-actin containing rods.