	Experiment title: Structure of repeat 5 of human plectin	**Experiment number**: MX-394
Beamline:	**Date of experiment**: from:050714 to:050715	**Date of report**: 050725
Shifts: 3	**Local contact(s)**: Edward Mitchell	*Received at ESRF:*

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Report:

Background

Plectin, the largest and most versatile member of the cytolinker/plakin family of proteins characterized to date, has a tripartite structure comprising a central 200 nm-long helical rod domain flanked by large globular domains. The C-terminal domain comprises a short tail region preceded by six highly conserved repeats (each 28-39 kDa), one of which (repeat 5) contains plectin's intermediate filament (IF)-binding site. This study addresses the structure of repeat 5.

Result

No measurements were possible since the dewar with the crystal did not arrive to ESRF due to problems connected to the French national holiday (14/7).