

Movie S1.

Example time lapse images of HEK293 cells expressing WT in response to EA1 stimulation.
Significant cell rounding was observed.

5 **Movie S2.**

Example time lapse images of HEK293 cells expressing FN2 in response to EA1 stimulation.
Significant cell rounding was observed.

Movie S3.

10 Example time lapse images of HEK293 cells expressing LS in response to EA1 stimulation. No
cell rounding was observed.

Movie S4.

15 Example time lapse images of HEK293 cells expressing pBabe vector in response to EA1
stimulation. No cell rounding was observed.