



Figure 1- figure supplement 2: Knockdown of *PIEZO1* and *Elkin1* in WM266-4 cells
(A) A qPCR analysis shows that levels of *PIEZO1* transcript were significantly reduced in WM266-4 cells when these cells were transfected with a plasmid encoding miRNA targeting *PIEZO1* transcript (Mann-Whitney, control n = 4, KD n = 4, * $P = 0.0286$). **(B)** Despite the decrease in *PIEZO1* transcript, the stimulus-response curve in *PIEZO1* KD cells did not differ from the controls. **(C)** Deflection-evoked currents are not inhibited by Ruthenium Red (RR). Mechanical currents were evoked in WM266-4 cells then RR (30 μ M) was flowed onto cells for 3 min and a second stimulus applied, a final stimulus was applied after RR had been washed out for 2 min. Quantification of current amplitude reveals no block of mechanically-evoked currents by RR.