



Supplementary Fig 2. **Activation of TRPC6 in low or high Ba^{2+} buffer.** *Panels A and B.* Currents were recorded as described in the legend to Fig 1 in HEK cells stably expressing TRPC6. TRPC6 was activated by superfusion with NMDG- $0K^+$ -Ringer's solution containing 0.1 mM Ba^{2+} (*Panel A*) or 10 mM Ba^{2+} (*Panel B*) plus 100 μ M OAG. I-V plots are shown before OAG and as a function of time after addition of OAG (see *inset, panels C and D*). *Panels C and D.* Currents from Panels A and B were leak-subtracted, normalized to capacitance, and filtered at 200 Hz.