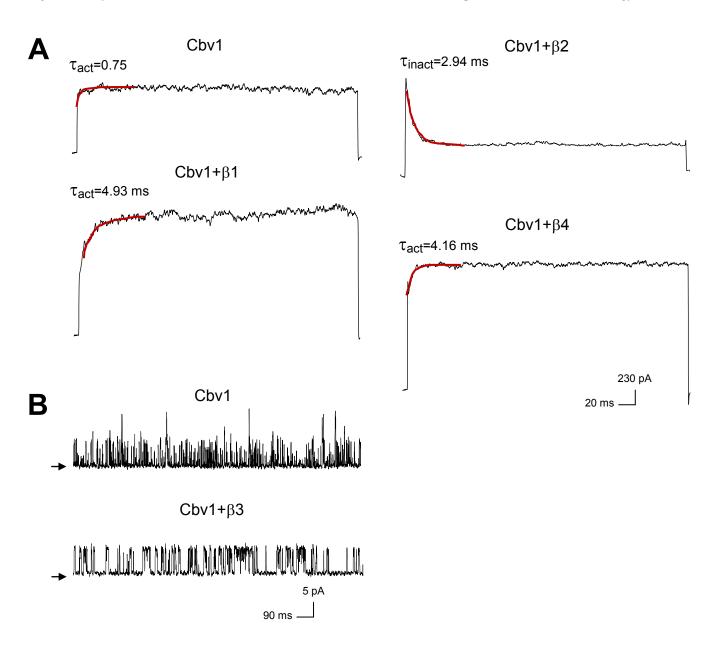
"Cerebrovascular dilation via selective targeting of the cholane steroid-recognition site in the BK channel β1 subunit by a novel nonsteroidal agent" Bukiya A, McMillan J, Fedinec A, Patil S, Miller D, Leffler C, Parrill A, Dopico A. Molecular Pharmacology



Suppl. Fig. 2. Phenotypic characterization of macroscopic and single-channel currents evoked by cbv1+ β (1–4) subunit expression in *Xenopus laevis* oocytes. A. Representative current records from I/O macropatches expressing different BK channel subunit combinations (cbv1± β 1, β 2, or β 4). Macroscopic currents were evoked by 200 ms-long, 10 mV depolarizing steps from –150 to +70 mV from a holding potential=0 mV. Red fitting lines underscore the different current activation/inactivation kinetics for each channel subunit combination. B. Original records of single BK channel activity showing that expression of cbv1+ β 3 heteromers results in longer channel openings when compared to those from homomeric cbv1. Vm=+40mV, free [Ca²⁺]_i=10 μ M.