SUPPORTING INFORMATION

S-Acylation controls functional coupling of BK channel pore-forming α-subunits and β1-subunits

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LIST OF MATERIALS

Figure S1

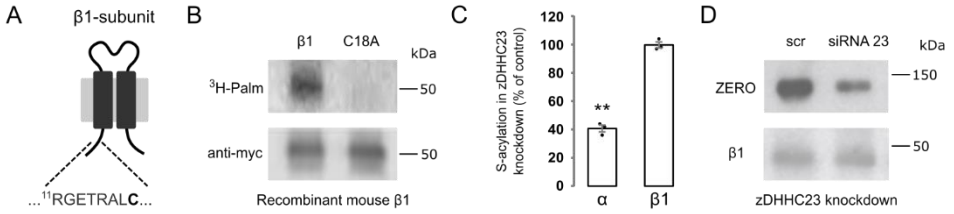

Figure S1: β1-subunit is S-acylated at Cys18 in HEK293 cells

(**A**) Schematic of BK channel β1-subunit indicating cysteine 18 (Cys18) at the intracellular interface of the first transmembrane domain. (**B**) Metabolic incorporation of ^{3}[H]-Palmitate in wild-type β1-subunit but not in C18A mutant β1-subunits expressed in HEK293 cells. (**C**) siRNA knockdown of zDHHC23 reduces S-acylation of α-subunit but not β1-subunit in HEK293 cells. (**D**) Representative blot showing reduced incorporation of ^{3}[H]-Palmitate in α-subunits, but not β1-subunits, of zDHHC23 siRNA-treated cells (siRNA 23) compared to scrambled siRNA (scr). Data are Means ± SE (n = 3), ** $p < 0.01$ compared to scrambled siRNA control (t-test).