

File name: Supplementary Movie 1

Description: Conformational dynamics of the TRPC5-G α_{i3} complex in lipid nanodiscs.

File name: Supplementary Movie 2

Description: Conformational dynamics of the TRPC5 in lipid nanodiscs.

File name: Supplementary Movie 3

Description: Molecular dynamics (MD) simulation of the TRPC5-G α_{i3} system. A representative video of a 600-ns MD simulation of the TRPC5-G α_{i3} system, where G α_{i3} proteins bind stably to the ankyrin repeat domain of the TRPC5. TRPC5 is colored in transparent gray and G α_{i3} proteins are colored in orange. Only two diagonally opposed subunits of G α_{i3} are shown for clarity. All water and ion molecules are removed for clarity.

File name: Supplementary Movie 4

Description: Molecular dynamics (MD) simulation of the TRPC5-PIP₂ system. A representative video of a 600-ns MD simulation of the TRPC5-PIP₂ zoomed at one of four binding sites of PIP₂. PIP₂ is colored in black, neighboring positively charged residues are colored in cyan, and other regions in TRPC5 are colored in transparent gray.