

Description of Additional Supplementary Files

File name: Supplementary Movie 1

Description: Live-cell, confocal microscopy assessed lysosomal content (red, 10K TMR-labeled dextran) and plasma membrane permeability (green) in mSerp1nb3a^{+/+} FIECs treated with 100% DPBS.

File name: Supplementary Movie 2

Description: Live-cell, confocal microscopy assessed lysosomal content (red, 10K TMR-labeled dextran) and plasma membrane permeability (green) in mSerp1nb3a^{-/-} FIECs treated with 100% DPBS.

File name: Supplementary Movie 3

Description: Live-cell, confocal microscopy assessed lysosomal content (red, 10K TMR-labeled dextran) and plasma membrane permeability (green) in mSerp1nb3a^{+/+} FIECs treated with 25% DPBS.

File name: Supplementary Movie 4

Description: Live-cell, confocal microscopy assessed lysosomal content (red, 10K TMR-labeled dextran) and plasma membrane permeability (green) in mSerp1nb3a^{-/-} FIECs treated with 25% DPBS.