

**Supplemental Video 1**

Figure 2A Supplemental Video

CHO cells expressing GFP-LC3 incubated in nutrient media containing cationic lipoplex (22-51 minute incubation)

**Supplemental Video 2**

Figure 2B Supplemental Video

CHO cells expressing GFP-LC3 incubated in nutrient media containing cationic lipoplex (120-185 minute incubation)

**Supplemental Video 3**

Figure 2C Supplemental Video

CHO cells expressing GFP-LC3 incubated in nutrient media containing cationic lipoplex imaged in the presence of 20 µg/ml cycloheximide.

**Supplemental Video 4**

Figure 7A Supplemental Video

LAMP1-RFP was expressed transiently in CHO-cells expressing GFP-LC3. Cells were incubated with lipoplex and TVAs were tracked over 7 minutes.