**Captions of supplementary movie and tables**

**Movie S1.** Live-cell fluorescence imaging showed that the DQ-Red BSA accumulated in UOK276 cells over time, providing evidence that macropinocytosis is an established process in chRCC cells to uptake macromolecules as nutrient source.

**Table S1.** Proteome profiling and a subsequent GSEA analysis of UOK276 cells supplemented with 1% amino acids in the presence or absence of 2.5% BSA versus a complete medium.

**Table S2.** Somatic nonsynonymous SNV and indels identified in our corhort.