

SI APPENDIX

Figure S1

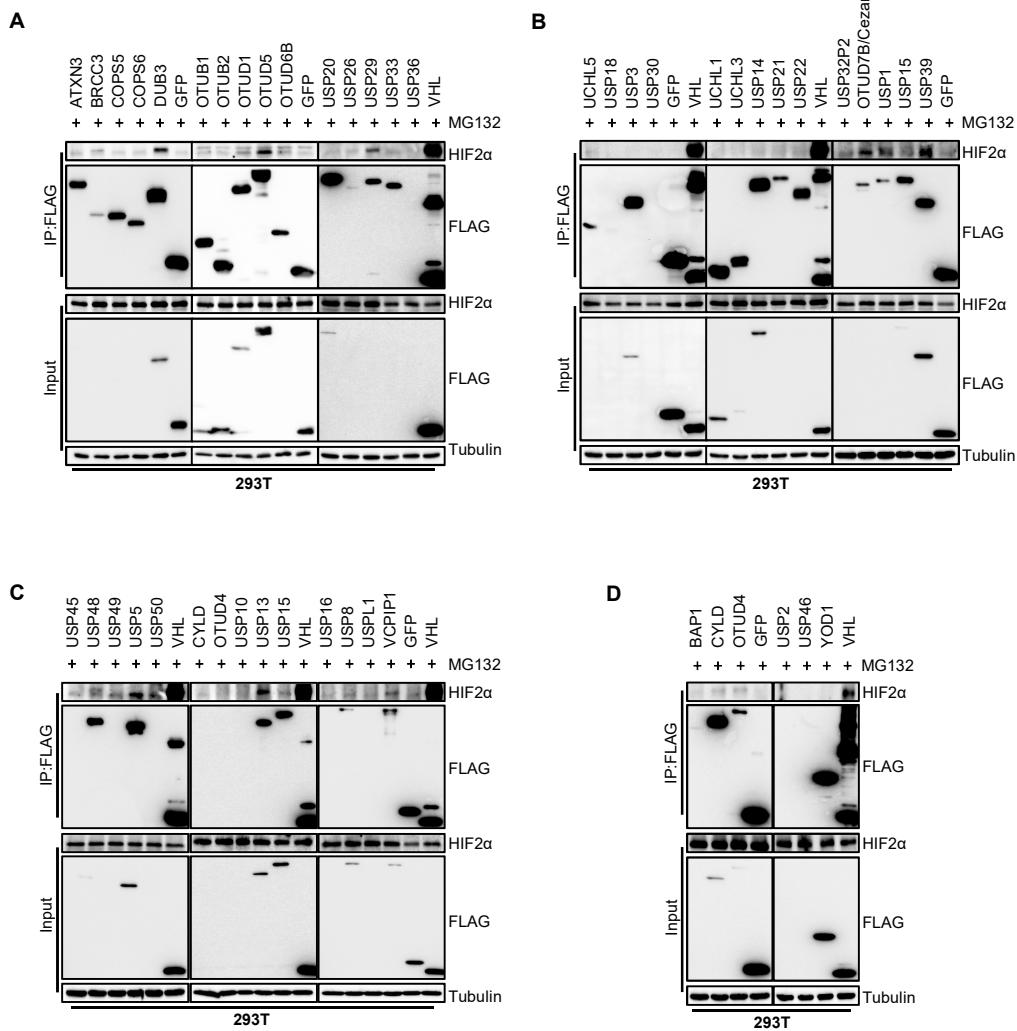


Figure S1 Screen to identify DUBs that bind with HIF2α

A-D, Immunoblots of whole cell extracts (Input) and immunoprecipitations (IP) from 293T cells transfected with Flag tagged DUB proteins and treated with 10μM MG132 as indicated.

Figure S2

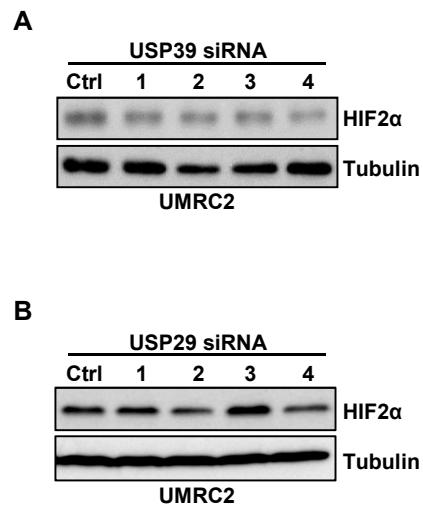
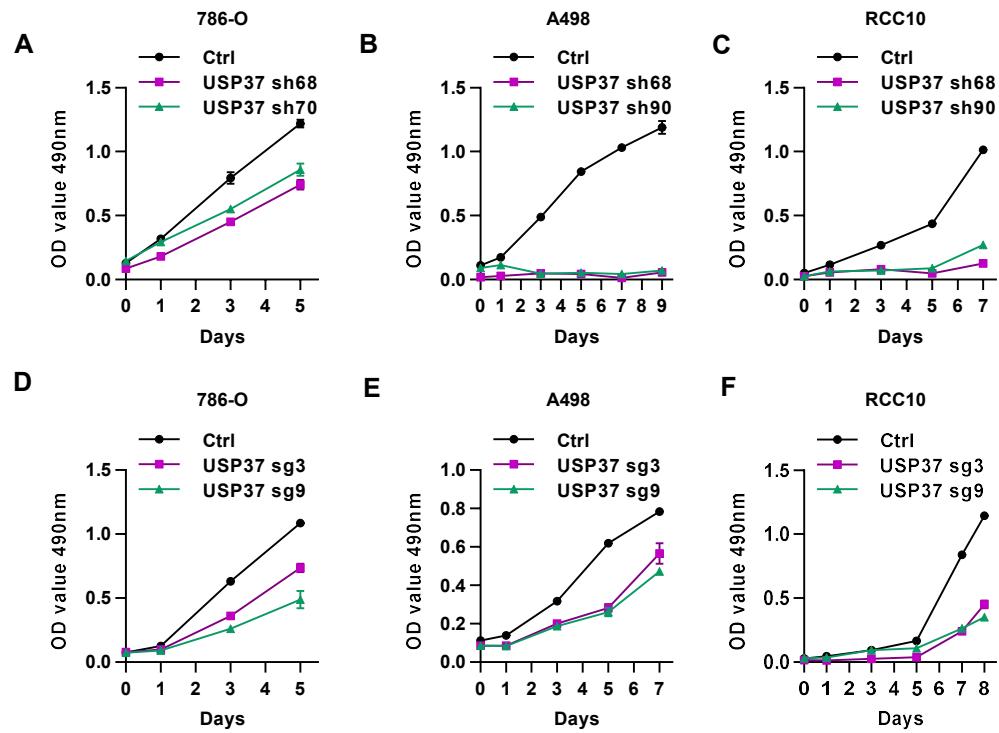


Figure S2 Effects of knockdown of USP39 or USP29 on HIF2α

A-B, Immunoblots of lysates from UMRC2 cells transfected with either Ctrl siRNA or siRNA targeting USP39 or USP29.

Figure S3**Figure S3 Loss of USP37 suppresses ccRCC cell growth**

A-C, Proliferation of indicated cells infected with lentivirus containing either Ctrl shRNA or shRNA targeting USP37.

D-F, Proliferation of indicated cells infected with lentivirus containing either Ctrl sgRNA or sgRNA targeting USP37.

Figure S4

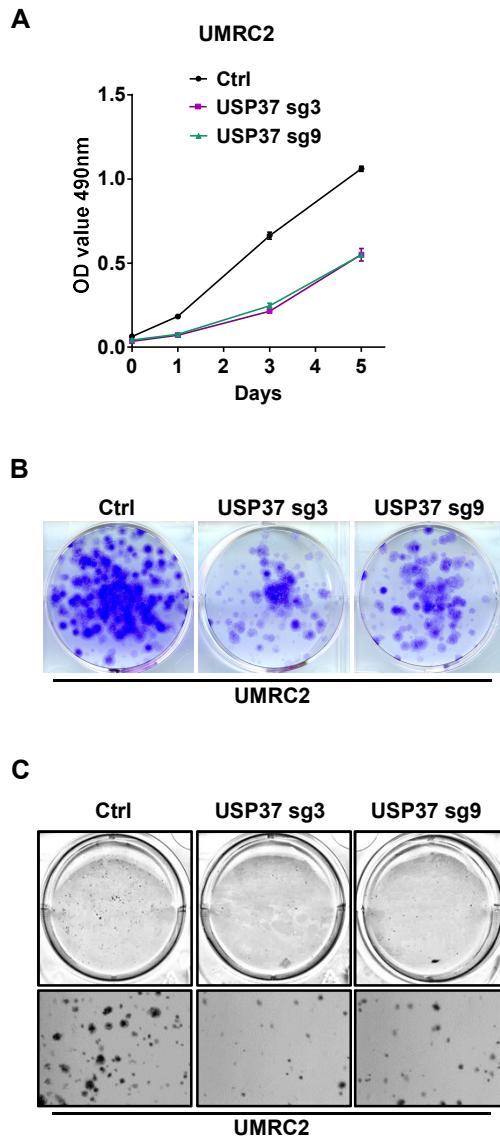


Figure S4 Loss of USP37 inhibits UMRC2 cell proliferation and 3-D soft agar growth

A, Proliferation of UMRC2 cells infected with lentivirus containing either Ctrl sgRNA or sgRNA targeting USP37.

B-C, Representative crystal violet staining and 3-D soft-agar growth pictures of UMRC2 cells infected with either Ctrl sgRNA or sgRNA targeting USP37.

Figure S5

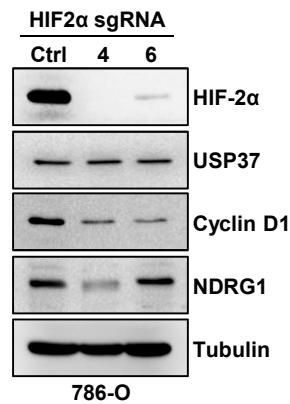


Figure S5 Validating sgHIF2 α efficiency in 786-O cells

Immunoblots of lysates from 786-O cells infected with either Ctrl sgRNA or sgRNA targeting HIF2 α .