

Table S1. Primers sequences.

Name	Sequences
Primers for real-time PCR:	
USP1 Forward Primer	5'-ATGCCTGGTGTGCATACCTAGT-3'
USP1 Reverse Primer	5'-CAGTCCCACAAATGGTAACAAGT-3'
KIF11 Forward Primer	5'-TCTAGTCGTTCCCACTCAGTTT-3'
KIF11 Reverse Primer	5'-GAGGTGTTCTTTCTACAAGGGCAGT-3'
GAPDH Forward Primer	5'-TGTGGGCATCAATGGATTTGG-3'
GAPDH Reverse Primer	5'-ACACCATGTATTCCGGGTCAAT-3'
Primers for plasmids construct:	
pCMV-Flag-USP1 sense	5'-AGGTCGACTCTAGAGGATCCCCGGGTACCGG TCGCCACCATGCCTGGTGTGCATACCTAG-3'
pCMV-Flag-USP1 antisense	5'-TCCTTG TAGTCCATACCTAATTTCTTATAAAA TAGCAAGTAAGGAG-3'
pCMV-HA-KIF11 sense	5'-AGGTCGACTCTAGAGGATCCCGCCACCATGG CGTCGCAGCCAAATTCGTCTGCG-3'
pCMV-HA-KIF11 antisense	5'-ACCGTAAGTTATGTGCTAGCTTAAGCATAGTC TGGGACATCATAAGG-3'
pCMV-HA-His-Ub sense	5'-GAGGATCCCCGGGTACCGGTCGCCACCATGA GGTGGTTCCTGCCCTGGAC-3'
pCMV-HA-His-Ub antisense	5'-CACACATTCCACAGGCTAGCTAAGCATAGTCT GGGACATCATAAGGGTAGTTGGCAATTTCTGAG AAGTC-3'
The target sites of shRNA:	
shUSP1	5'-CACAGATTCTCAAGAAAAT-3'
shKIF11	5'-AGTAGAATGTGATCCTGTA-3'