

**NYU**

## Murine Cell Line - Kras G12D, Lkb1 -/-, p53 -/-

**Murine cell line Kras G12D/Lkb1 -/-, p53 -/- for studying Kras-driven cancers, such as non-small-cell lung cancer (NSCLC).**

LKR10 and LKR13 KrasG12D-mutant LUAD cells (on a 129/Sv genetic background, previously generated in the laboratory of T. Jacks) were transiently transfected with Keap1 CRISPR-Cas9 KO plasmid (sc-424513-KO-2) or Stk11/Lkb1 CRISPR-Cas9 KO plasmid (sc-423192). Lentiviral vectors encoding Cre (expressed from PGK promoter) and an sgRNA (expressed from human U6 promoter) target known or putative tumor suppressors that are recurrently mutated in LUAD (or pan-carcinoma), such as Trp53.

### Technology ID

WON02-09

### Category

Life Sciences/Materials/Cell Lines

### Authors

Kwok-Kin Wong, MD, PhD

### Learn more

