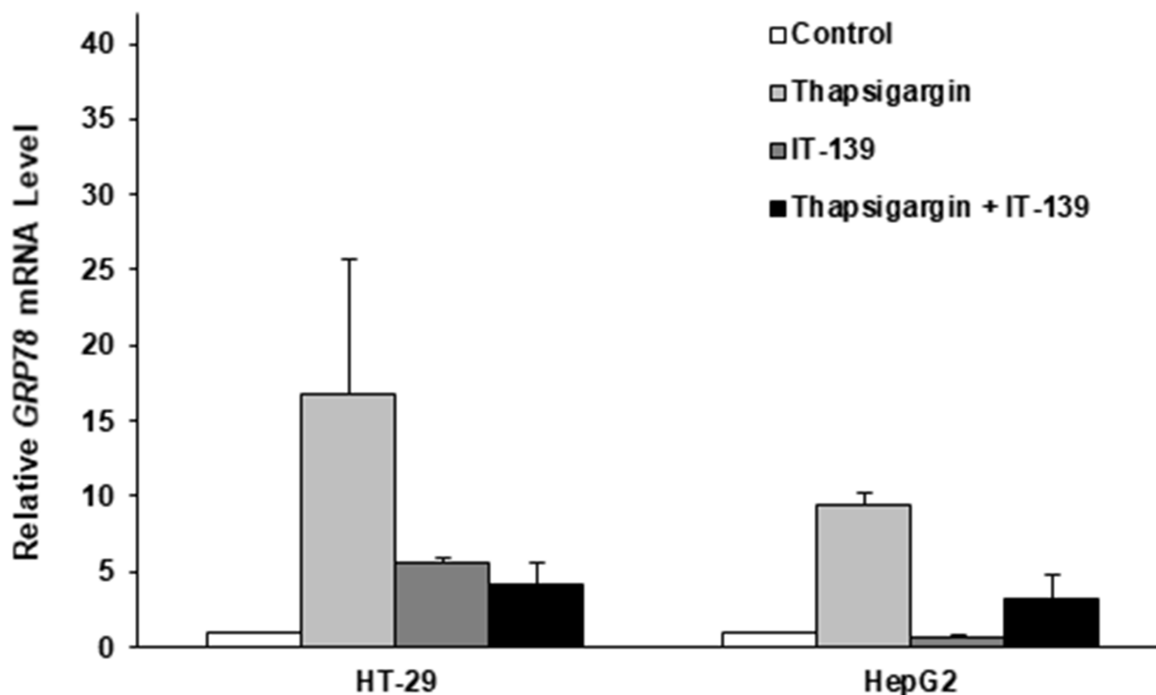


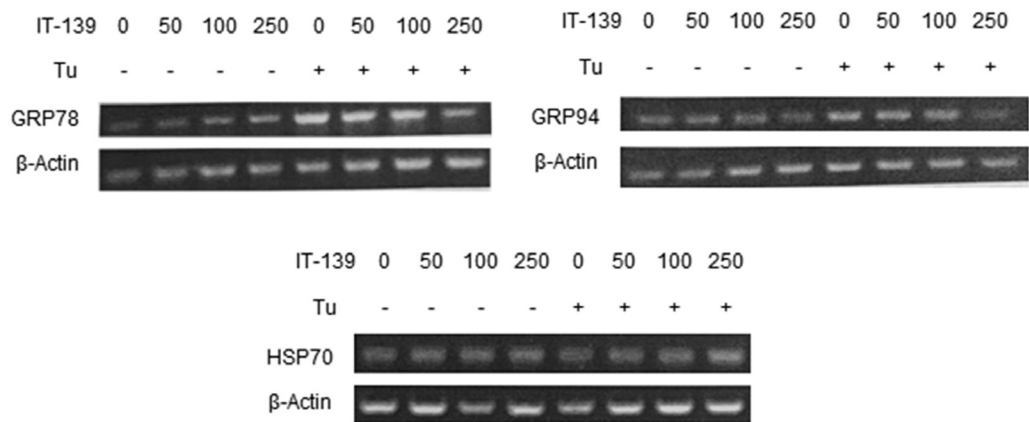
Suppression of stress induction of the 78-kilodalton glucose regulated protein (GRP78) in cancer by IT-139, an anti-tumor ruthenium small molecule inhibitor

SUPPLEMENTARY MATERIALS

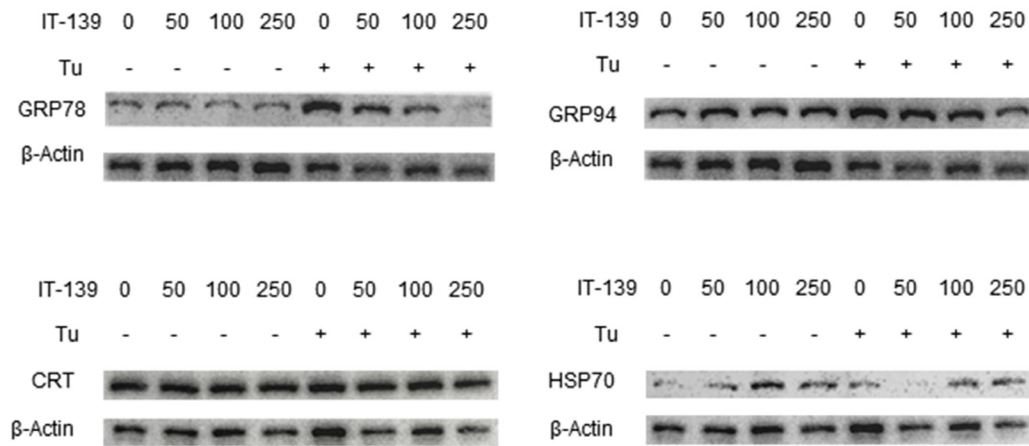


Supplementary Figure 1: IT-139 suppresses *GRP78* expression at the transcriptional level. The indicated cancer cell lines were treated as indicated and the *GRP78* mRNA levels were measured and plotted.

A SK-MEL-28 mRNA



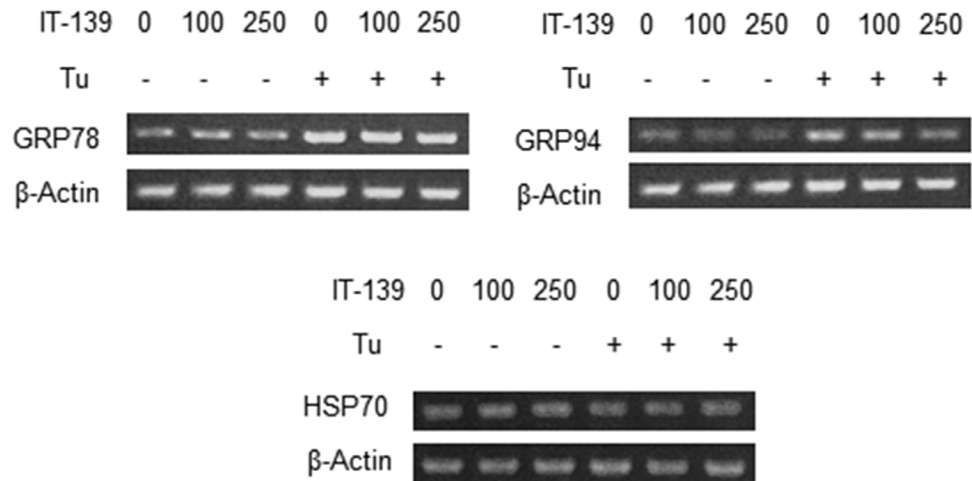
B SK-MEL-28 Protein



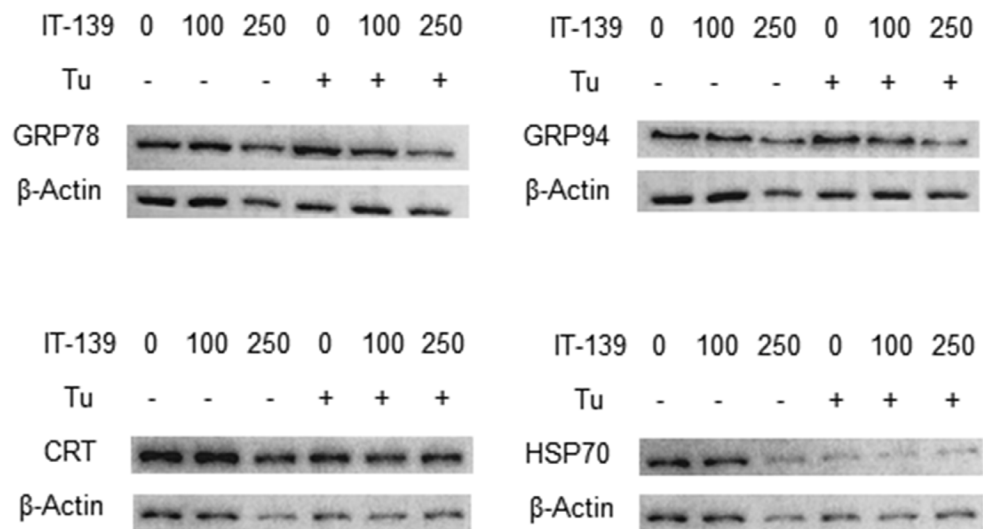
Supplementary Figure 2: Effect of IT-139 on expression of chaperone protein family in SK-MEL-28 cells. (A) Levels of GRP78, GRP94 and HSP70 mRNA in melanoma SK-MEL-28 cells treated with various dosages of IT-139. (B) same as (A) except the protein levels including CRT were shown.

A

A549 mRNA

**B**

A549 Protein



Supplementary Figure 3. Effect of IT-139 on expression of chaperone protein family in A549 cells. (A) Levels of GRP78, GRP94 and HSP70 mRNA in human lung cancer A549 cells treated with various dosages of IT-139. **(B)** same as (A) except the protein levels including CRT were shown.