Supplementary Figure S1. Growth suppressing properties of menin are intact in MIN6 cells.

(A) Ectopic menin expression in MIN6 stable cell lines. MIN6 cells transfected with vector or tagged-menin expressing plasmids were selected in G418 for one month. Individual G418-resistant colonies of cells were isolated and expanded for several passages to establish stable cell lines. Whole cell protein extracts (WCEs) were analyzed by western blot with anti-menin and anti-Tubulin (loading control). Vec is a cell line with stably integrated vector; M-27 and M-34 are 2 independent cell lines stably integrated with tagged-menin expression plasmid.

(B) Proliferation. Equal number of cells were plated in 6-well plates and counted on the next day (day 1) and every other day by using a Cellometer auto T4 plus cell counter (Nexcelom Bioscience). Cell proliferation was inhibited in ectopic menin expressing MIN6 stable cell lines M-27 and M-34.

(C) Cell cycle progression. Equal number of cells were analyzed by propidium iodide staining and flow cytometry. Cell cycle progression was delayed in ectopic menin expressing MIN6 stable cell lines M-27 and M-34 with increased number of cells in the G0/G1 phase and decreased number of cells in the S phase.