



Supplementary Figure 1 Characterization of U87MG-CD133-LG GBM cells. (A) Lentiviral-infected U87MG cells. Immunofluorescent microscopy demonstrated an increased GFP signal in the neurospheres generated from U87MG-CD133-LG as compared to their adherent counterparts. (B) Flow cytometric analysis. Neurospheres generated from U87MG-CD133-LG cells were 76.7% positive for CD133 and GFP while only 13.8% in the adherent counterparts. (C) Dual reporter assay. U87MG-CD133-LG neurospheres showed significantly increased level of luciferase activity and GFP signal comparing to their adherent counterparts. (D) Comparative western blot analysis of parental and spheres generated from U87MG-CD133-LG. Stemness markers, Notch1, β -catenin, nestin and Btk were markedly elevated but neural-differentiation marker GFAP was decreased in the sorted cells when compared with their parental counterparts.