

Supplementary Figure 1 Generation of biotin presenting GSCs. **a** GSC spheres expressed green (BAP-TM vectors) and red (sshBirA vectors) fluorescence efficiently. Bar=250 μ m (original magnification ×100). **b** Positive SA-Alexa647 staining (blue curve) from cells transfected with BAP-TM-IGFP, while not from cells transfected with GFP only (red curve), confirming expression of reporter biotin on cell surface. **c** Higher G-luciferase concentration was detected from medium of transduced GSCs (n=6) than from control GSCs (n=6). ** = P<0.01