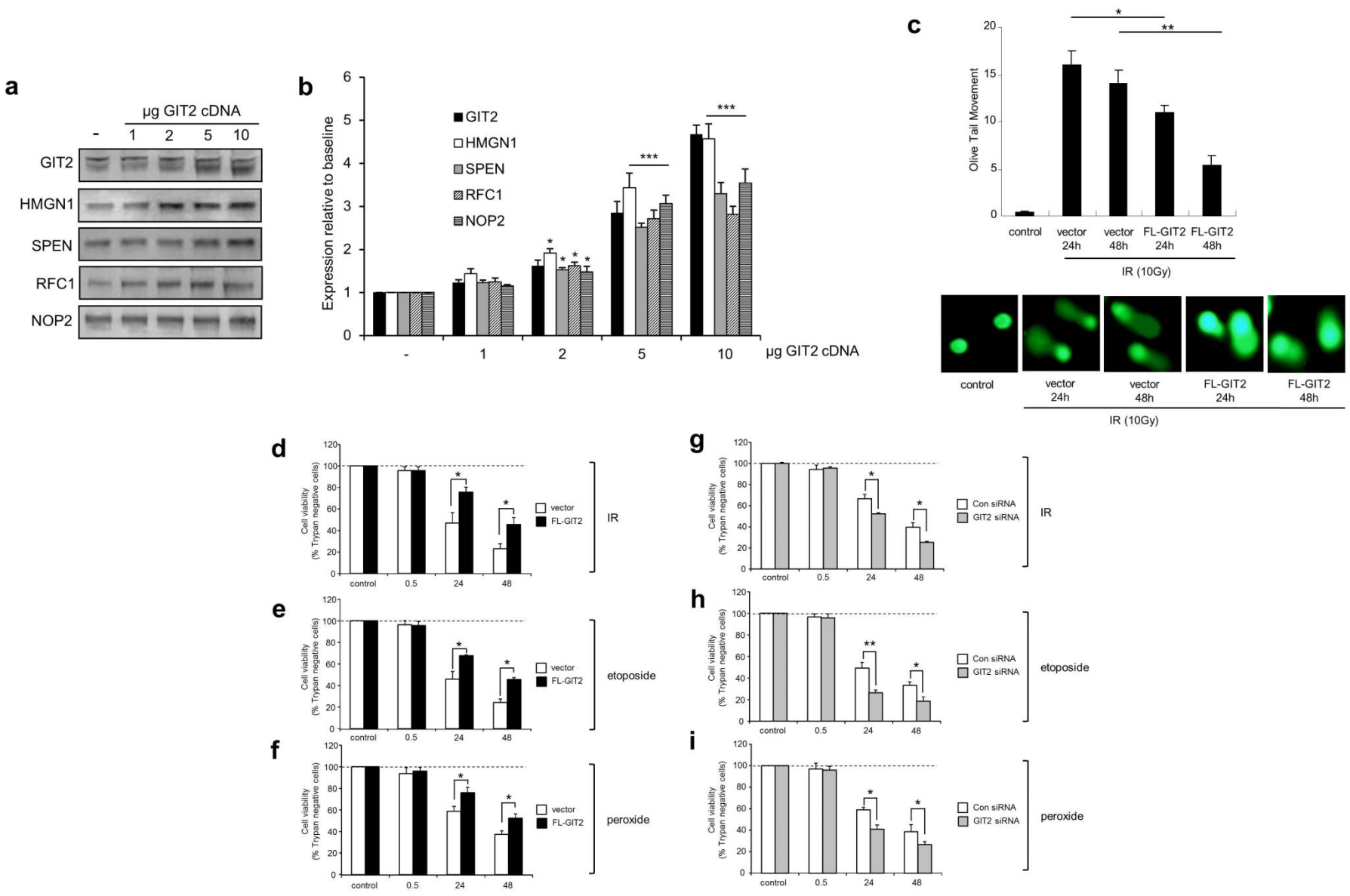


**Figure S3. GIT2 expression is associated with DNA repair protein modulation and long-term cell survival after DNA damage.** SH-SY5Y cells were transfected with various levels of FL (Flag)-GIT2 (1-10μg) and the expression of DNA repair proteins was assessed 48hrs post-transfection (**a**, **b**-quantification from n>3 individual experiments). FL-GIT2 overexpression attenuates Olive tail movement at 24 and 48hrs after acute IR insults (10Gy) (**c**). FL-GIT2 overexpression antagonizes the reduction in SH-SY5Y cell viability (measured 0.5, 24 and 48hrs post-insult using trypan blue exclusion) induced by acute IR (10Gy) (**d**), etoposide (1μM) (**e**) or peroxide (10μM) (**f**). Using GIT2 siRNA to reduce GIT2 expression in SH-SY5Y cells, the reduction in cell viability induced by IR (**g**), etoposide (**h**) and peroxide (**i**) insults was significantly potentiated.