

Figure S1. Semi-quantitative analysis of TrkB, TrkC, MEK and ERK expression in chemoresistant colon cancer cells. The intensity of each band was normalized by corresponding β -actin and/or total protein expressions, respectively. Data are presented as the mean \pm SD and analyzed using one-way ANOVA. (A) Comparison of each protein level with that of internal control (β -actin). (B) Comparison of phosphorylated protein level with that of total protein. * $P < 0.05$, ** $P < 0.01$, ## $P < 0.005$ and ### $P < 0.001$ as indicated. Trk, tropomyosin receptor kinase; p, phosphorylated.

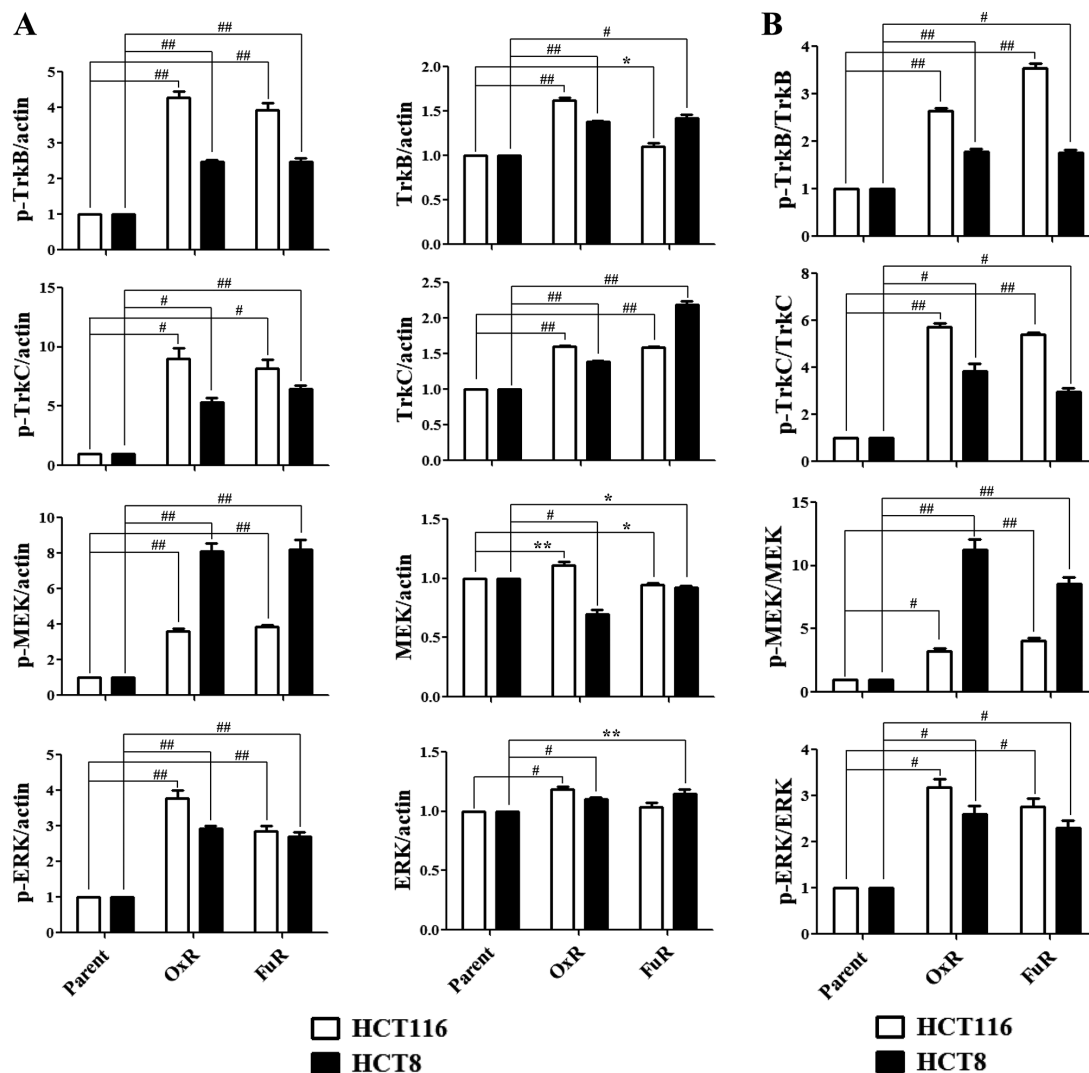


Figure S2. Effect of Trk inhibitor or si-HOXC6 on the viability of chemoresistant colon cancer cells. Cells were treated with the 2 μ M CH7057288 (Trk inhibitor) and 200 nM HOXC6-siRNA. At 24 h after treatment, cell viability was measured using a Cell Counting Kit-8 assay. Absorbance at 450 nm is presented. Data are presented as the mean \pm SD of three independent experiments. OxR and FuR (A) HCT116 and (B) HCT8 cells. Trk, tropomyosin receptor kinase; si or siRNA; small interfering RNA; Ctrl, control; OD, optical density; OxR, oxaliplatin resistant; FuR, 5-Fu-resistant.

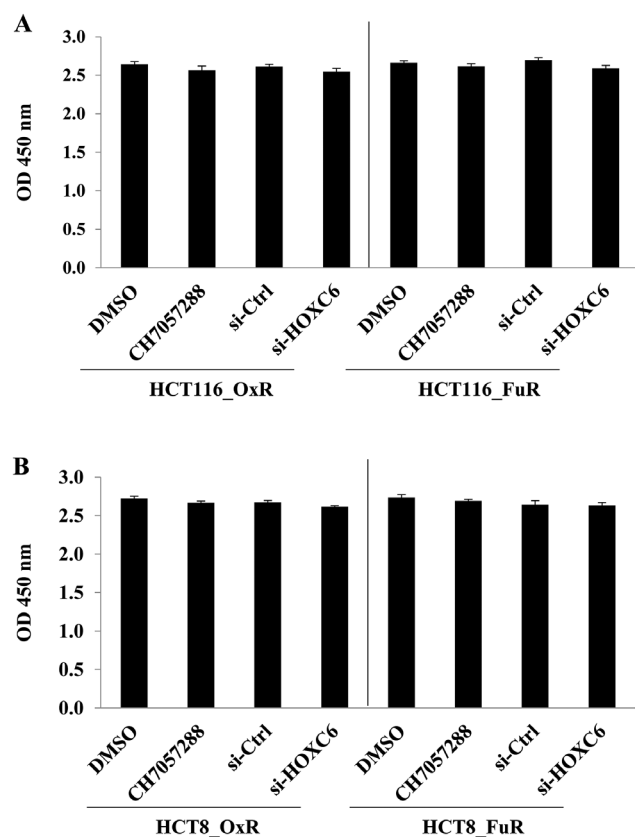


Figure S3. Semi-quantitative analysis of p-TrkB, TrkB, p-TrkC and TrkC expression in chemoresistant colon cancer cells after treatment with the Trk inhibitor. The intensity of each band was normalized by corresponding β -actin and/or total protein expressions, respectively. Data are presented as the mean \pm SD and analyzed using one-way ANOVA. (A) The effect of CH7057288 on the expression of p-TrkB, TrkB, p-TrkC and TrkC with comparisons made to that of (A) the internal control and (B) total protein as appropriate. [#]P<0.005 and ^{##}P<0.001 as indicated. p, phosphorylated; Trk, tropomyosin receptor kinase; OxR, oxaliplatin resistant; FuR, 5-Fu-resistant.

