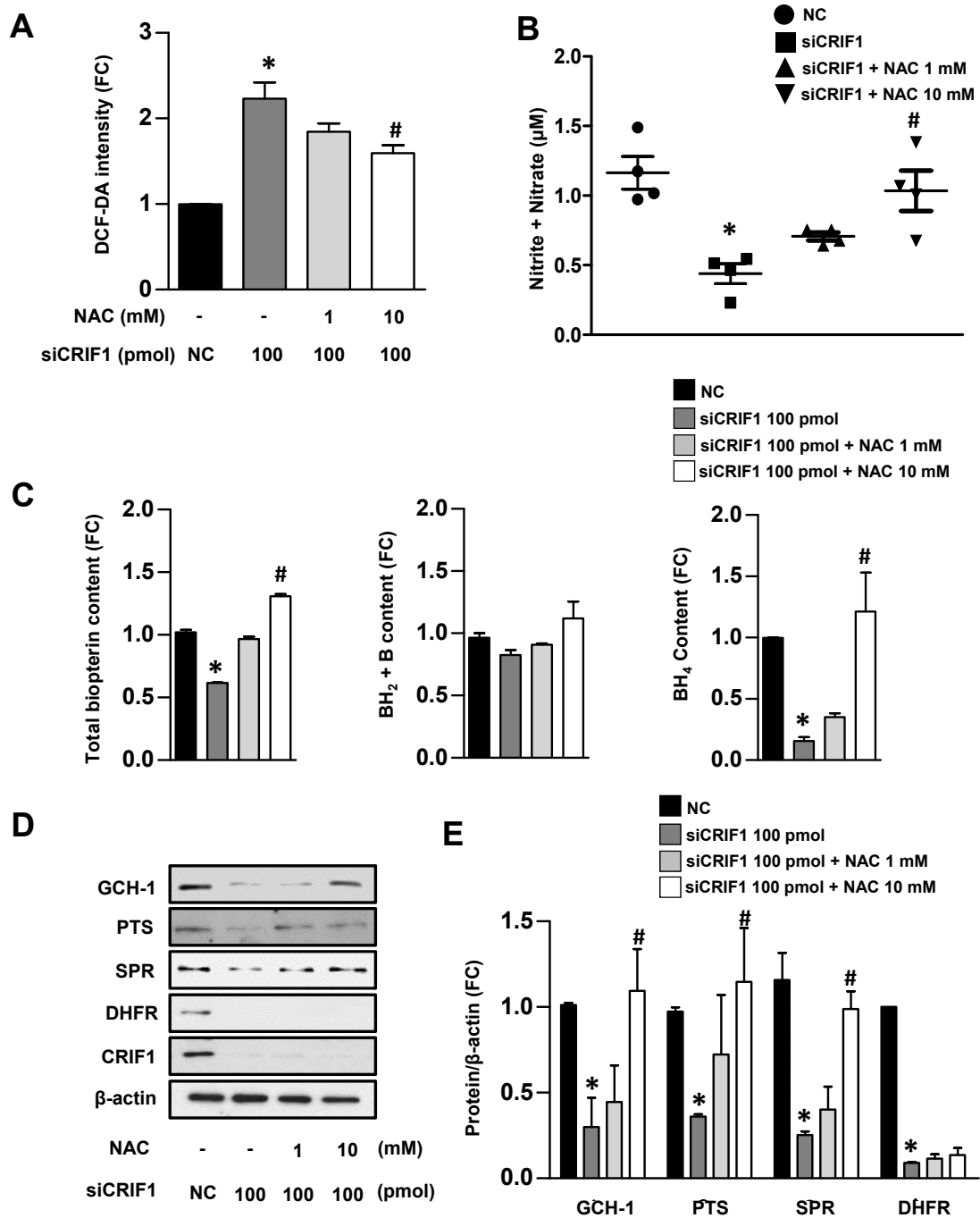


CR6-interacting factor 1 deficiency reduces endothelial nitric oxide synthase activity by inhibiting biosynthesis of tetrahydrobiopterin

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Supplementary Figure 1.



Supplementary Figure 1. ROS mediated CRIF1 deficiency-induced eNOS uncoupling in HUVECs.

(A) Measurement of fluorescence by DCF-DA staining in endothelial cells treated with different concentration of NAC and CRIF1 siRNA (B) Nitric oxide measured by sum of nitrite and nitrate in FBS free and phenol free supernatant media from CRIF1 deleted cells treated with various amount of NAC and CRIF1 siRNA. (D) Comparison of total biopterin, BH₂+B and BH₄ content in control and cells with or without various amount of NAC and CRIF1 siRNA. (E, F) Expression of De novo and Recycling pathway in control and CRIF1 knockdown HUVECs with assorted amount of NAC. Measurement of band density was used to analysis quantification of protein expression (n=3 per group; *P<0.05, vs. control; #P<0.05, vs CRIF1 siRNA 100 pmol).