ccna2-luc

Delimitation of the Fra-1-responsive region of the ccna2 promoter.
The Fra-1-dependent transactivation of the (-795/+95) murine ccna2 promoter was analyzed by transient cotransfection in the FRTL-5 normal rat thyroid cell line. The c-Jun-Fra-1 tethered heterodimer was used as transactivator, because of its efficient accumulation in FRTL-5 cells. **Left:** Diagram of the ccna2-luciferase reporter constructs. The four TREs encompassed by the amplicons ccna2-A and ccna2-B used for ChIP analysis are shown, along with the promoter-proximal ATF CREB site. **Right:** Diagram of the luciferase activity (relative to the control wt construct) determined after transient lipofection of ccna2-luc constructs +/- c-Jun-Fra-1 expression vector (ratio 1:1). Error bars indicate standard deviation between independent triplicate transfections. Transfections were repeated three times with independent DNA preparations and variations between independent experiments were within a 20% range.