

E2F is a group of genes that encodes a family of [transcription factors](#) (TF) in higher eukaryotes. Three of them are activators: [E2F1](#), 2 and E2F3a. Six others act as suppressors: E2F3b, E2F4-8. All of them are involved in the cell cycle regulation and synthesis of DNA in mammalian cells. E2Fs as TFs bind to the TTTCCCGC (or slight variations of this sequence) consensus binding site in the target promoter sequence.

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