



The Regulation of the β -Catenin–TCF Signaling Pathway by the β -Catenin–TCF Complex

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The β -catenin–TCF signaling pathway is a key pathway in the regulation of cell proliferation and differentiation. The β -catenin–TCF complex is a transcription factor that binds to the DNA and activates the transcription of target genes. The β -catenin–TCF complex is composed of β -catenin, TCF, and other proteins. The β -catenin–TCF complex is regulated by various factors, including the β -catenin–TCF complex itself. In this study, we investigated the regulation of the β -catenin–TCF signaling pathway by the β -catenin–TCF complex. We found that the β -catenin–TCF complex can regulate its own activity by forming a complex with itself. This complex can then bind to the DNA and activate the transcription of target genes. This finding suggests that the β -catenin–TCF complex can regulate its own activity and thus play a role in the regulation of cell proliferation and differentiation.

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Key words: β -catenin; TCF; transcription factor; cell proliferation; differentiation; signaling pathway

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