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Transcription Coactivator Gene

National Cancer Institute

Source

National Cancer Institute. *Transcription Coactivator Gene*. NCI Thesaurus. Code C20673.

RNA polymerase II transcription of Class II genes involves the TFIID transcription complex comprised of general factors, including TBP, TFIIA, TFIIB, TFIID, TFIIIE, TFIIF, TFIIG/J, and TFIIH, as well as gene-specific factors that include TAFs, which interact with regulatory protein activation domains to enhance transcription. A second group of cofactors includes PC1, PC2, and PC3, which have a strong positive influence on transcription. The combined action of general and gene-specific regulators encoded by Transcription Coactivator Genes enhances gene expression. (NCI)