Basal Transcription Factor Gene

National Cancer Institute

Source

Human Basal Transcription Factor Genes encode Basal Transcription Factors, a diverse group of general factors required for transcription of all eukaryotic Pol II genes. Initiation of transcription from eukaryotic protein-coding genes is a complex process requiring RNA polymerase II (Pol II) and a cadre of transcription factors. The general transcription factors and Pol II form a multiprotein complex near the transcription start site by interacting with core promoter elements. The most common core element is the TATA box, typically 25-30 bp upstream of the start site.