

TFIIE- β (p34): sc-4029 WB

BACKGROUND

In eukaryotic systems, initiation of transcription from protein-coding genes is a complex process requiring RNA polymerase II and broad families of auxiliary transcription factors. Such factors can be divided into two major functional classes: the basal factors that are required for transcription of all Pol II genes, including TFIIA, TFIIB, TFIID, TFIIE, TFIIIF and TFIIH; and sequence-specific factors that regulate gene expression. The basal transcription factors and Pol II form a specific multiprotein complex near the transcriptional start site by interacting with core promoter elements such as the TATA box generally located 25-30 base pairs upstream of the transcription start site. Human TFIIE consists of two subunits of 56 kDa and 34 kDa molecular weight, respectively. The structure of TFIIE appears to be a heterotetramer ($\alpha_2\beta_2$) both subunits being required for optimal basal-level transcription.

REFERENCES

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SOURCE

TFIIE- β (p34) is expressed in *E. coli* as full length TFIIE- β p34 protein of human origin.

PRODUCT

TFIIE- β (p34) is purified from bacterial lysates by sequential column chromatography; supplied as 10 μ g in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

TFIIE- β (p34) is suitable as a Western blotting control for sc-137000.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.