

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



TFIIE- β Peptide

Cat No.: BS5964P

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 sequencespecific 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 promotor 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 .

Swiss-Prot

P29084

Applications

Blocking

Specificity

This peptide can be used with studies using BS5964 TFIIE- β pAb.

Purification & Purity

Synthetic peptide TFIIE- β . (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

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