

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



SPT3 (E203) Peptide

Cat No.: BS1890P

Background

The transcription of many RNA polymerase II-dependent genes requires Spt3, a member of the *S. cerevisiae* SAGA complex. Transcription from δ sequences, the long terminal repeats that flank yeast Ty elements, requires the yeast SPT3 gene. Spt3 and Spt20 work together to recruit TATA-box binding protein (TBP) to the core promoter allowing TBP to bind to SAGA-dependent promoters. Null mutations in the Spt3 gene cause defects in sporulation, diploid filamentous growth, and haploid invasive growth, indicating that Spt3 has an important role in both mating and development pathways in yeast. At the promoters of some genes including yeast HO, HIS3 and TRP3 genes, Spt3 inhibits binding of TBP, resulting in reduced transcription. This repressive effect of Spt3 can be overcome by another member of the SAGA complex, GCN5, which promotes the formation of a TBP/TFIIA complex by histone acetylation.

Swiss-Prot

O75486

Applications

Blocking

Specificity

This peptide can be used with studies using BS1890 SPT3 (E203) pAb.

Purification & Purity

Synthetic peptide SPT3 (E203). (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.