

Recombinant *Saccharomyces cerevisiae* (strain ATCC 204508 / S288c) (Baker's yeast) TATA-box-binding protein

Catalog No: #AP72804

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Package Size: #AP72804-1 20ug #AP72804-2 100ug #AP72804-3 1mg

Description

Product Name	Recombinant <i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast) TATA-box-binding protein
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-240aaSequence Info:Full Length
Other Names	TATA sequence-binding protein ;TBPTATA-binding factorTATA-box factorTranscription factor DTranscription initiation factor TFIID TBP subunit
Accession No.	P13393
Uniprot	P13393
GeneID	856891;
Calculated MW	28.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	ADEERLKEFKEANKIVFDPNTRQVWENQNRDGTKPATTFQSEEDIKRAAPESEKDTSATSGIVPTLQNIVATVT LGCRLDLKTVALHARNAEYNPKRFAAVIMRIREPKTALIFASGKMVVTGAKSEDDSKLASRKYARIQKIGFAA KFTDFKIQNIVGSCDVKFPIRLEGLAFSHGTFSSEPELFPGLIYRMVKPKIVLLIFVSGKIVLTGAKQREEIYQAF EAIYPVLSEFRKM
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

General transcription factor that functions at the core of the DNA-binding general transcription factor complex TFIID. Binding of TFIID to a promoter (with or without TATA elent) is the initial step in preinitiation complex (PIC) formation. TFIID plays a key role in the regulation of gene expression by RNA polymerase II through different activities such as transcription activator interaction, core promoter recognition and selectivity, TFIIA and TFIIB interaction, chromatin modification (histone acetylation by TAF1), facilitation of DNA opening and initiation of transcription.

References

Cloning and structure of a yeast gene encoding a general transcription initiation factor TFIID that binds to the TATA box.Horikoshi M., Wang C.K., Fujii H., Cromlish J.A., Weil P.A., Roeder R.G.Nature 341:299-303(1989)Research Topic:Others

Note: This product is for in vitro research use only