

TATA Binding Protein (TBP) Recombinant Protein | TBP recombinant protein

Recombinant TATA Binding Protein (TBP)

CATALOG # AAA147159	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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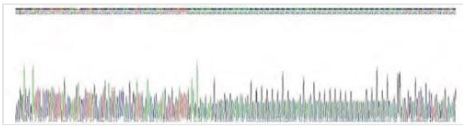
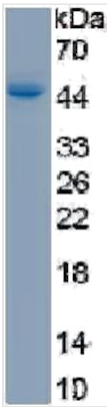
PRODUCT SYNONYMS

TATA Binding Protein (TBP); Recombinant TATA Binding Protein (TBP); GTF2D; GTF2D1; SCA17; TFIID; TATA sequence-binding protein; TATA-box factor; Transcription initiation factor TFIID TBP subunit; TBP recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 5% Trehalose
Concentration	500ug/mL (varies by lot)
Applicable Applications for TBP recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ile25~Thr339
Tags	N-terminal His Tag
Subcellular Location	Nucleus
Predicted isoelectric point	9.9
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Identification
Figure. Gene Sequencing (extract)

SDS-PAGE

IPFSP MMPYGTGLTP QPIQNTNSLS
ILEEQRRQQ QQQQQQQQQ QQQQQQQQQ QQQQQAVAAA
AVQSTSQQA TQGTSGQAPQ LFHSQTLTTA PLPGTTPLYP SPMTPTPIT
PATPASESSG IVPQLQNIVS TVNLGCKLDL KTIALRARN EYNPKRFAAV
IMRIREPRTT ALIFSSGKMV CTGAKSEEQS RLAARKYARV VQKLGFPKAF
LDFKIQNMVG SCDVKFPRL EGLVLTHQQF SSYEPELFPG LIYRMIKPRI
VLLIFVSGKV VLTGAKVRAE IYEAFENIYP ILKGFRKTT

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for TBP recombinant protein Recombinant Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	285026520
NCBI GeneID	6908
NCBI Accession #	NP_001165556.1
NCBI GenBank Nucleotide #	NM_001172085.1
UniProt Accession #	P20226; Q16845; Q6IBM6; Q9UC02; B4E3B3; F5H869
Molecular Weight	Predicted Molecular Mass: 39.0kDa Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	TATA-box-binding protein isoform 2
NCBI Official Synonym Full Names	TATA-box binding protein
NCBI Official Symbol	TBP
NCBI Official Synonym Symbols	HDL4; GTF2D; SCA17; TFIID; GTF2D1
NCBI Protein Information	TATA-box-binding protein
UniProt Protein Name	TATA-box-binding protein
UniProt Gene Name	TBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.