

Recombinant Human TBPL1, His-tagged

Cat. No. TBPL1-7114H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TBPL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-186aa
Description	TBPL1, also known as STUD, TLF, TLP and TRF2, belongs to the TBP family. The TATA box-binding protein (TBP) is an essential component of the basal transcriptional machinery. Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. It is essential for spermiogenesis and believed to be important in expression of developmentally regulated genes.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 1mM EDTA
Molecular Mass	23.3kDa (209aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMADSDV ALDILITNVV CVFRTRCHLN

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LRKIALEGAN VIYKRDTVGV LMKLRKPRIT ATIWSSGKII CTGATSEEEA
KFGARRLARS LQKLGFQVIF TDFKVVNVLA VCNMPFEIRL PEFTKNNRPH
ASYEPELHPA VCYRIKSLRA TLQIFSTGSI TVTGPNVKAV ATAVEQIYPF
VFESRKEIL

Purity >90 % by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml

GENE INFORMATION

Gene Name [TBPL1 TBP-like 1 \[Homo sapiens \]](#)

Official Symbol TBPL1

Synonyms TBPL1; TBP-like 1; TATA box-binding protein-like protein 1; STUD; TLF; TLP; TRF2; TBP-related protein; TBP-related factor 2; 21-kDA TBP-like protein; second TBP of unique DNA protein; TATA box-binding protein-related factor 2; MGC:8389; MGC:9620;

Gene ID [9519](#)

mRNA Refseq [NM_001253676](#)

Protein Refseq [NP_001240605](#)

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MIM	605521
UniProt ID	P62380
Chromosome Location	6q22.1-q22.3
Pathway	Basal transcription factors, organism-specific biosystem; Basal transcription factors, conserved biosystem; Epstein-Barr virus infection, organism-specific biosystem; Epstein-Barr virus infection, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Herpes simplex infection, organism-specific biosystem;
Function	DNA binding; binding; transcription coactivator activity;

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