

## Recombinant Human TBPL1, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human TBPL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-186aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 1mM EDTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Mass</b>   | 23.3kDa (209aa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMADSDV ALDILITNVV CVFRTRCHLN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LRKIALEGAN VIYKRDTVGV LMKLRKPRIT ATIWSSGKII CTGATSEEEA  
KFGARRLARS LQKLGQVIF 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](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MIM</b>                 | 605521                                                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | P62380                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Chromosome Location</b> | 6q22.1-q22.3                                                                                                                                                                                                                                                                                                                                                           |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | DNA binding; binding; transcription coactivator activity;                                                                                                                                                                                                                                                                                                              |

 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA