Recombinant human TBPL1 protein

Catalog Number: ATGP1896

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-186aa

UniProt No.
P62380

NCBI Accession No.
NP_004856

Alternative Names
TATA box-binding protein-like protein 1, MGC8389, MGC9620, STuD, TLF, TLP, TRF2

PRODUCT SPECIFICATION

Molecular Weight
23.3 kDa (209aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT, 1mM EDTA

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Recombinant human TBPL1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

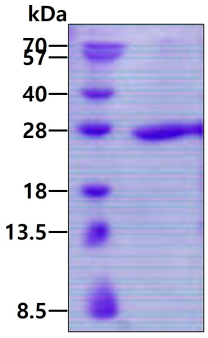
<MGSSHHHHHH SSGLVPRGSH MGS>MDADSDV ALDILITNVV CVFRTRCHLN LRKIALEGAN VIYKRDVGKV LMKLRKPRIT ATIWSSGKII CTGATSEEEA KFGARRLARS LQKLGFQVIF TDFKVVNVLA VCNMPFEIRL PEFTKNNRPH ASYEPELHPA VCYRIKSLRA TLQIFSTGSI TVTGPNVKAV ATAVEQIYPF VFESRKEIL

General References

Ohbayashi T., et al. (1999) Biochem. Biophys. Res. Commun. 255:137-142
Rabenstein M.D., et al. (1999) Proc. Natl. Acad. Sci. u.S.A. 96:4791-4796

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.