

Recombinant Human TMPO Protein

Catalog No.: RP02141 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	7112	P42166

Tags

C-His

Synonyms

TMPO; CMD1T; LAP2; LEMD4; PRO0868; TP;
thymopietin;CMD1T;LAP2;LEMD4;PRO0868;TP

Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

Calculated MW	Observed MW
21.6 kDa	27 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

Thymopentin is a member of the LEM family. Thymopentin is expressed in many tissues, highly in the adult thymus and fetal liver. The N-terminal contains two structurally independent domains, LEM domain and LEM-like domain. The C-terminal domain forms a four-stranded coiled coil. Thymopentin may be involved in the structural organization of the nucleus and in the post-mitotic nuclear assembly. It is associated with T-cell development and function. Meantime, Thymopentin plays an important role, together with LMNA, in the nuclear anchorage of RB1. Thymopietin is participated in the induction of CD90 in the thymus.

Basic Information

Description

Recombinant Human TMPO Protein is produced by E.coli expression system. The target protein is expressed with sequence (Pro2-Glu187) of human TMPO (Accession #P42167) fused with a 6xHis tag at the C- terminus.

Bio-Activity

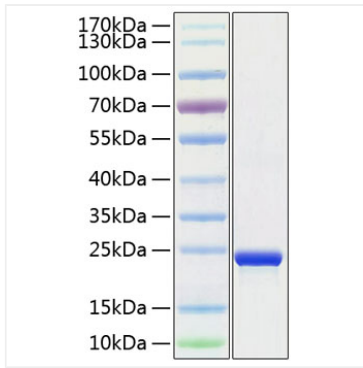
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human TMPO Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 23kDa.