

# 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; thymopoietin; CMD1T; LAP2; LEMD4; PRO0868; TP

## Product Information

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

### Endotoxin

&lt; 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 freeze-thaw cycles.

## Contact

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## 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. Thymopoietin 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

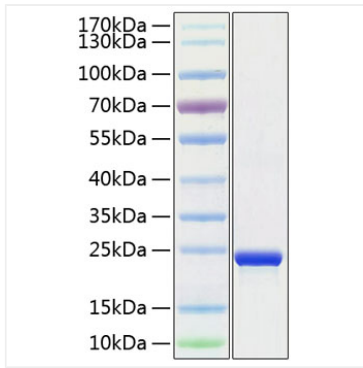
Store the lyophilized protein at -20°C to -80 °C for long term.

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

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