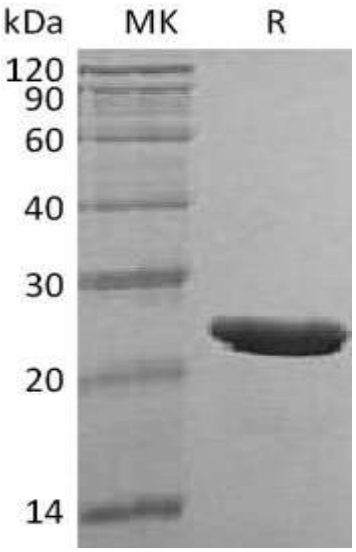
Recombinant Human TMPO (C-6His)

Catalog No: C180

Description	Recombinant Human Thymopoietin is produced by our E.coli expression system and the target gene encoding Pro2-Glu187 is expressed with a 6His tag at the C-terminus.
Source	E.coli
Alternative name	Lamina-Associated Polypeptide 2 Isoforms Beta/Gamma; Thymopoietin Isoforms Beta/Gamma; TP Beta/Gamma; Thymopoietin-Related Peptide Isoforms Beta/Gamma; TPRP Isoforms Beta/Gamma; Thymopoietin; TP; Splenin; Thymopentin; TP5; TMPO; LAP2
Accession No.	P42167
Predicted Molecular Weight	21.6KDa
Apparent Molecular Weight	23kDa, reducing conditions.
Quality Control	Purity: >95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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.

SDS-PAGE



MK: Marker

R: Sample in reducing conditions