

Product Name: Recombinant Human TMPO (C-6His)
Catalog #: PEH1643

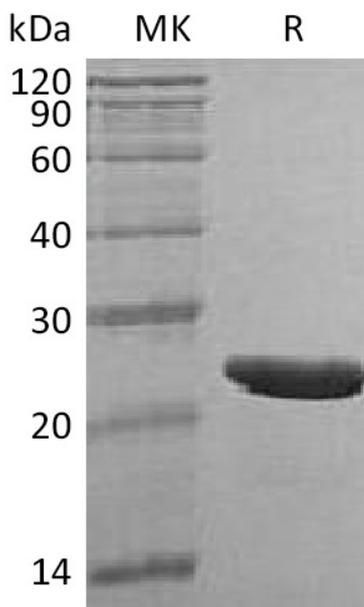


Summary

Name	Thymopoietin
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Thymopoietin is produced by our E.coli expression system and the target gene encoding Met1-Glu187 is expressed with a 6His tag at the C-terminus.
Accession #	P42167
Host	E.coli
Species	Human
Predicted Molecular Mass	21.6 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. 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.

SDS-PAGE image

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Alternative Names

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

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.

Note

For Research Use Only , Not for Diagnostic Use.