

## 32-7158: Recombinant Human Thymopoietin/TMPO/LAP2 (C-6His)(Discontinued)

**Gene :** TMPO  
**Gene ID :** 7112  
**Uniprot ID :** P42167

### Description

Source: E.coli.  
MW :21.6kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.  
**Storage condition :** 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.  
**Amino Acid :** MPEFLEDPSVLTKDKLKSELVANNVTLPAGEQRKDYYVQLYLQHLTARNRPPLPAGTNSKGPPDFSSDEEREPT  
PVLGSGAAAAGRSRAAVGRKATKKTDKPRQEDKDDLDTLTNEDLLDQLVKYGVNPGPIVGTTTRKLYEKKLL  
KLREQGTESRSSTPLPTISSAENTRQNGSNDSDRYSDNELEHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.