

## 32-12327: Human Thrombopoietin (AF)(Discontinued)

**Gene :** THPO  
**Gene ID :** 7066  
**Uniprot ID :** P40225

**Alternative Name :** Thrombopoietin, C-mpl ligand, Megakaryocyte colony-stimulating factor, Megakaryocyte growth and development factor, Myeloproliferative leukemia virus oncogene ligand

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 18.8 kDa (175 aa)

Thrombopoietin (TPO) is a growth factor that is produced by liver and kidney tissues. TPO binds the TPO receptor (CD110) to promote megakaryocyte maturation, differentiation, and the production of platelets.

### Product Info

**Amount :** 10 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq 90\%$   
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at  $-20^{\circ}\text{C}$   
**Amino Acid :** MSPAPPACDL RVLKLLRDS HVLHSRLSQC PEVHPLTPV LLPVDFSLG EWKTQMEETK AQDILGAVTL LLEGVMAARG QLGPCLSSL LGQLSGQVRL LLGALQSLLG TQLPPQGRRT AHKDPNAIFL SFQHLLRGKV RFLMLVGGST LCVRRAPPTT AVPSRTSLVL TLNEL

### Application Note

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

Biological Activity was determined by MO7e cell proliferation at  $\leq 5$  ng/mL;  $\geq 2.0 \times 10^5$  units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



