

## Recombinant Human TPO

<b>Cat. # and size:</b>	PTPO-10	10 µg
	PTPO-100	100 µg
	PTPO-1000	1000 µg

### Product Specifications

- Expression of Human Proteins in Human Cells
- Extreme low Endotoxin
- High Purity
- Animal Free and Xeno Free
- Tag Free

**Source:** Human cells derived

**Structure:** Glycosylated monomer

**Purity:** >95% by SDS-PAGE

**Endotoxin Level:** <0.5EU/ug

**Molecular Weight:** 80-85kDa

**Formulation:** Lyophilized from a 0.2µm filtered solution in PBS without carrier protein

### Activity Assay

The activity was measured by its ability to stimulate the proliferation of human Mo7e cells.

### Reconstitution

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin to a desired concentration.

### Stability & Storage

Store in a manual defrost freezer. In general, the lyophilized protein is stable for 12 months if stored at -80°C. Reconstituted protein is stable for 4 weeks at 2 to 8°C under sterile conditions. Store the reconstituted protein in aliquots at -20°C to -80°C for up to 3 months under sterile conditions. Avoid repeated freeze-thaw cycles.

### Protein Description

Recombinant human thrombopoietin expressed in engineered human cells. TPO belongs to the EPO/TPO protein family. TPO protein is an 80 to 85 kDa monomeric glycoprotein. TPO is primarily produced in the liver and regulates the formation of megakaryocytes and platelets. C terminal domain glycosylation is thought to be important for the secretion of TPO from cells and for survival of TPO in the circulation.

### References

Kitamura, T, et al. (1989) J. Cell Physiol. 140, 323-334.

Kaushansky, K, (1998) NEJM 339, 746-754