

## 32-1817: TPO HEK Recombinant Protein

**Alternative Name :** Megakaryocyte colony-stimulating factor, Myeloproliferative leukemia virus oncogene ligand, C-mpl ligand, ML, Megakaryocyte growth and development factor, MGDF, TPO, MKCSF, MPLLG, MGC163194, THPO.

### Description

Source : HEK. Thrombopoietin Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 80-85kDa due to glycosylation. The TPO is purified by proprietary chromatographic techniques. Thrombopoietin is a glycoprotein hormone produced mainly by the liver and the kidney that regulates the production of platelets by the bone marrow. It stimulates the production and differentiation of megakaryocytes, the bone marrow cells that fragment into large numbers of platelets.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90% as observed by SDS-PAGE.  
**Content :** The TPO protein was lyophilized from 1mg/ml in 1xPBS.  
**Storage condition :** Lyophilized Thrombopoietin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TPO should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Application Note

It is recommended to reconstitute the lyophilized Thrombopoietin in sterile PBS containing 0.1% endotoxin-free recombinant HSA. The activity was determined by the dose-dependent stimulation of the proliferation of MO7e cells, the EC50 is 3.8ng/ml.

