

# Human TPO Recombinant Protein



RPPB1049

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## Product Information    Protein Information

**Product SKU:**

RPPB1049

**Accession:**

P40225

**Host:**

HEK.

**Protein description:**

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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

The TPO protein was filtered (0.2µm) and lyophilized from 0.74mg/ml in 1xPBS.

**Purity:**

Greater than 95% as observed by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Thrombopoietin in sterile PBS containing 0.1% endotoxin-free recombinant HSA.

**Stability:**

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.

**Amino Acid Sequence:**

SPAPPACDLRVLSKLLRDSHVLHSRLSQCEVHPLPTPVLLPAVDFSLG  
EWKTQMEETKAQDILGAVTLLLEGVMAARGQLGPTCLSSLLGQLSGQV  
RLLLGALQSLGTLPPQGRRTAHKDPNAIFLSFQHLLRGKVRFLMLVGG  
STLCVRRAPPTAVPSRSLVLTNLNLPNRTSGLLETNFTASARTTGSGLLK  
WQQGFRAKIPGLLNQTSRSLDQIPGYLNRIHELLNGTRGLFPGPSRRTLGA  
DISSGTSDTGSLPPNLQPGYSPSPHTPPTGQYTLFPLPPTLPTVVQLHPLLDPDPSAPTPT  
PTSPLLNTSYTHSQNLSQEG

**Biological Activity:**

The activity was determined by the dose-dependent stimulation of the proliferation of MO7e cells, the ED50 is 1.15ng/ml.