9051 Mira Mesa Blvd, #910094
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TPO Human, HEK

Thrombopoietin Human Recombinant, HEK
CYK0606

Product Overview

Name	TPO Human, HEK
Description	
Thrombopoietin Human Recombinant, HEK	
Accession (Primary)	P40225
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.	
Introduction	
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.	
Source	
HEK.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The TPO protein was filtered (0.2 μm) and lyophilized from 0.74mg/ml in 1xPBS.	
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.	
Purity	
Greater than 95% as obsereved by SDS-PAGE.	
Amino acid sequence	
SPAPPACDLRVLSKLLRDSHVLHSRLSQCPEVHPLPTPVLLPAVDFSLG EWKTQMEETKAQDILGAVTLLLEGVMAARGQLGPTCLSSLLGQLSGQV RLLLGALQSLLGTQLPPQGRTTAHKDPNAIFLSFQHLLRGKVRFLMLVGG STLCVRRAPPTTAVPSRTSLVLTLNELPNRTSGLLETNFTASARTTGSGLLK	

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WQQGFRAKIPGLLNQTSRSLDQIPGYLNRIHELLNGTRGLFPGPSRRTLGAP

DISSGTSDTGSLPPNLQPGYSPSPTHPPTGQYTLFPLPPTLPTPVVQLHPLLPDPSAPTPT

PTSPLLNTSYTHSQNLSQEG

Biological Activity

The activity was determined by the dose-dependent stimulation of the proliferation of MO7e cells, the ED 50 is 1.15ng/ml.

Solubility

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

Precautions

TPO Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P40225)