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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GFH216 Recombinant Human TPO

Description

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.

Length	338 aa
Molecular Weight	36.3 kDa
Source	Genetically modified CHO cells
Accession Number	P40225
Purity	≥90% determined by reducing and non-reducing SDS-PAGE

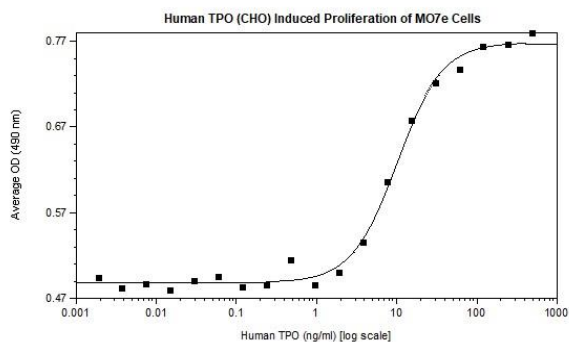
Specifications

Alternative Names	TPO, Megakaryocyte Colony Stimulating Factor, c-MPL ligand, MGDF
Biological Activity	Human TPO is fully biologically active when compared to standard. The activity is determined by the ability to induce MO7e cells proliferation and it is typically less than 15 ng/ml. This corresponds to an expected specific activity of 6.7×10^4 units/mg.
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 5 mM sodium phosphate, 140 mg L-Arginine, pH 7.5
AA Sequence	SPAPPACDLR VLSKLLRDSH VLHSRLSQCP EVHPLPTPV LPAVDFSLGE WKTQMEETKA QDILGAVTLL LEGVMAARGQ LGPTCLSSLL GQLSGQVRL L GALQSLLGT QLPPQGR TTA HKDPNAIFLS FQHLLRGKVR FLMLVGGSTL CVRRAPPTTA VPSRTSLVLT LNELPNRTSG LLETNFTASA RTTGSGLLKW QQGFRAKIPG LLNQTSRSLD QIPGYLNRIH EL

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

Data



Induced proliferation of MO7e cells assay for Human TPO. Cell proliferation was measured to calculate the ED50, which is as expected less than 15 ng/ml.