ANGIO-PROTEOMIE
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DATA SHEET

Thrombopoietin Human Recombinant, HEK

Item Number	rAP-0737
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.
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.
Uniprot Accesion Number	P40225
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The TPO protein was filtered (0.2μm) and lyophilized from 0.73mg/ml in 1xPBS. Greater than 95% as obsereved by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Thrombopoietin in sterile PBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	The activity was determined by the dose-dependent stimulation of the proliferation of MO7e cells, the EC50 is 3.8ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

Angio-Proteomie | 11 Park Drive, Suite 12 Boston, MA 02215, USA | Tel: 001-617-549-2665 | Fax: 001-480-247-4337 | Email: angioproteomie@gmail.com