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**Product Data Sheet**


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Product Name: TPO Human, His

Cat. No.: GP21025

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Insect cell.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	MPL Ligand; THCYT1; MPLLG; TPO; ML; Thrombopoietin Nirs Variant 1; MKCSF; Thrombopoietin; Myeloproliferative Leukemia Virus Oncogene Ligand; Megakaryocyte Growth and Development Factor; Megakaryocyte Colony-Stimulating Factor; C-Mpl Ligand; MGDF; Megakaryocyte Stimulating Factor; Prepro-Thrombopoietin.		
Amino Acid Sequence	SPAPPACDLR VLSKLLRDSH VLHSRLSQCP EVHPLPTPVL LPAVDFSLGE WKTQMEETKA QDILGAVTLL LEGVMAARGQ LGPTCLSSLL GQLSGQVRLL LGALQSLLGT QLPPQGRTTA HKDPNAIFLS FQHLLRGKVR FLMLVGGSTL CVRRAPPTTA VPSRTSLVLT LNELPNRTSGLLETNFTASA RTTGSGLLKW QQGFRAKIPG LLNQTSRSLD QIPGYLNRIH ELLNGTRGLF PGPSRRTLGA PDISSGTSDDT GSLPPNLQPG YSPSPHPPT GQYTLFPLPP TLPTPVVQLH PLLPDPSAPT PTPTSPLLNT SYTHSQNLSQ EGLEHHHHHH.		
Formulation	TPO protein solution (0.25mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.		

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

TPO produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 340 amino acids (22-353aa.) and having a molecular mass of 36.5kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). TPO is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques..

**Caution: Product has not been fully validated for medical applications. For research use only.**

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