9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TPO Mouse, HEK

Thrombopoietin Mouse Recombinant, HEK
CYK0609

Product Overview

Name	TPO Mouse, HEK

Description

Thrombopoietin Mouse Recombinant, HEK

Accession (Primary)	P40226

Synonyms

Thpo, C-mpl ligand,ML, Megakaryocyte colony-stimulating factor, Megakaryocyte growth and development factor, MGDF, Myeloproliferative leukemia virus oncogene ligand, Mgdf, Ml, Mpllg, Tpo, thrombopoietin isoform 1.

Introduction

Thrombopoietin or TPO or MGDF, is a protein (glycoprotein hormone) that can be found in the liver and kidney tissues. TPO regulates the creation of platelets. The protein enhances the production & differentiation of cells such as megakaryocytes that are part of the bone marrow cells that secretes a wide number of platelets. The cellular development process that ends up in the production of platelet calls (Megakaryocytopoiesis). Humoral growth factor is needed for the megakaryocyte proliferation & maturation of megakaryocyte, not apart from thrombopoiesis.

Source

HEK293 .

Physical Appearance

Sterile Filtered colorless solution.

Formulation

TPO protein (0.5mg/ml) contains Phosphate-Buffered Saline (pH 7.4) 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.

Purity

Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. The ED50 range ≤4ng/ml.

Amino acid sequence

SPVAPACDPR LLNKLLRDSH LLHSRLSQCP DVDPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL LEGVMAARGQ LEPSCLSSLL GQLSGQVRLL LGALQGLLGT QLPLQGRTTA HKDPNALFLS LQQLLRGKVR FLLLVEGPTL CVRRTLPTTA VPSSTSQLLT LNKFPNRTSG LLETNFSVTA RTAGPGLLSR LQGFRVKITP

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GQLNQTSRSP VQISGYLNRT HGPVNGTHGL FAGTSLQTLE ASDISPGAFN KGSLAFNLQG GLPPSPSLAP DGHTPFPPSP ALPTTHGSPP QLHPLFPDPS TTMPNSTAPH PVTMYPHPRN LSQET HHHHH H.

Biological Activity

Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is ≥ 25ug/ml.

Precautions

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

Target Information: (P40226)