

Mouse TPO Recombinant Protein



RPPB1052

Product Information Protein Information

Product SKU:

RPPB1052

Accession:

P40226

Host:

Escherichia Coli.

Protein description:

Thrombopoietin Mouse Recombinant produced in E.Coli is a single, non-glycosylated soluble polypeptide chain containing 174 amino acids and having a molecular mass of 18704 Dalton. The TPO is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Formulation:

Lyophilized from a concentrated (1mg/ml) solution in water containing no additives.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Thrombopoietin in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Thrombopoietin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TPO Mouse 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.

Amino Acid Sequence:

SPVAPACDPR LLNKLLRDSH LLHSRLSQCP DVDPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL
LEGVMAARGQ LEPSCLSSLL GQLSGQVRLR LGALQGLLGT QLPLQGRRTA HKDPNALFLS LQQLLRGKVR
FLLLVEGPTL CVRRTLPTTA VPSSTSQLLT LNKF.

Biological Activity:

ED50 range is less than 0.8ng/ml as determined by the dose dependent stimulation of Mo7e cells.