

Mouse TPO Recombinant Protein



RPPB1053

Product Information Protein Information

Product SKU:

RPPB1053

Accession:

P40226

Host:

HEK293.

Protein description:

TPO Mouse Recombinant produced in HEK293 cells is a single, non-glycosylated polypeptide chain containing 341 amino acids (22-356 a.a) and having a molecular mass of 36.4kDa. TPO is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

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

Formulation:

TPO protein (0.5mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.

Purity:

Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. The ED50 range $\leq 4\text{ng/ml}$.

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.

Amino Acid Sequence:

SPVAPACDPR LLNKLLRDSH LLHSRLSQCP DVDPLSIPVL LPAVDFSLGE WKTQTEQSKA QDILGAVSLL
LEGVMAARGQ LEPSCLSSLL GQLSGQVRLL LGALQGLLGT QLPLQGRRTA HKDPNALFLS LQQLRGKVR
FLLLVEGPTL CVRRTLPTTA VPSSTSQLLT LNKFPNRTSG LLETNFSVTA RTAGPGLLSR LQGFRVKITP
GQLNQTSRSP VQISGYLNRT HGPVNGTHGL FAGTSLQTL ASDISPGAFN KGSLAFNLQG GLPPSPSLAP
DGHTPFPPSP ALPTTHGSPP QLHPLFPDPS TTMPNSTAPH PVTMYPHPRN LSQETHHHHH H.

Biological Activity:

Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is $\geq 25\text{ug/ml}$.