# 32-13671: Thrombopoietin Human

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| **Format :** | TPO protein (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4). |
| **Alternative Name :** | 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

Source:HEK293 cells.

Physical Appearance:Sterile Filtered colorless solution.

Biological ActivityThe ED50 range is =10ng/ml. It is measured by cell proliferation assay using MO7e human megakaryocytic leukemic cells.

Thrombopoietin is a glycoprotein hormone produced mainly by the liver and the kidney which regulates the production of platelets by the bone marrow. TPO stimulates the production as well as differentiation of megakaryocytes, the bone marrow cells which fragment into large numbers of platelets.

TPO Human Recombinant produced in HEK293 cells is a single, glycosylated polypeptide chain containing 343 amino acids (22-353 a.a) and having a molecular mass of 36.8kDa.TPO is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 10 µg / 2 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Storage condition :** | 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 :** | DGSHMSPAPP ACDLRVLSKL LRDSHVLHSR LSQCPEVHPL PTPVLLPAVD FSLGEWKTQM EETKAQDILG AVTLLLEGVM AARGQLGPTC LSSLLGQLSG QVRLLLGALQ SLLGTQLPPQ GRTTAHKDPN AIFLSFQHLL RGKVRFLMLV GGSTLCVRRA PPTTAVPSRT SLVLTLNELP NRTSGLLETN FTASARTTGS GLLKWQQGFR AKIPGLLNQT SRSLDQIPGY LNRIHELLNG TRGLFPGPSR RTLGAPDISS GTSDTGSLPP NLQPGYSPSP THPPTGQYTL FPLPPTLPTP VVQLHPLLPD PSAPTPTPTS PLLNTSYTHS QNLSQEGHHH HHH |

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