

RMGH124

Recombinant TPO, Human, GMP

 100ug;

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Synonym/Alternative name(s):

Megakaryocyte colony-stimulating factor, c-MPL Ligand, MGDF, THPO

Activity:

Measure by its ability to induce proliferation in MO7e cells.

The ED50 for this effect is <2 ng/mL.

Protein Description:

Thrombopoietin (TPO) is a glycoprotein that produced by the liver, kidney, marrow stroma and several other tissues. The TPO level in the blood is mostly negatively correlated with the abundance of platelets and bone marrow megakaryocytes, although multiple states of inflammation or infection, liver failure, and hematological disturbances are associated with unexpectedly high or low circulating levels of the hormone.

Protein Accession : P40225.1**Gene ID :** 7066**Expression Sequence:**

SPAPPACDLRVLSKLLRDSHVLHSRLSQCEVHPLPTPVLLPAVDFSLGEWKTQMEETKAQDILGAVTLLLEGVMAARGQLGPTCLSSLL
GQLSGQVRLLLGALQSLGTLPPQGRRTAHKDPNAIFLSFQHLRGRVFLMLVGGSTLCVRRAPPTTAVPSRTSLVLTNL with
polyhistidine tag at the N-terminus.

Fusion tag : His-tag?at?the?N-terminus**Species :** Human**Reactivity :** Human**Expression Host :** Escherichia coli**Source :** E. coli**Purity/method:**

>95% as determined by SDS-PAGE.

Ni-NTA chromatography.

Endotoxin level:

< 0.01 EU per 1 µg of the protein by the LAL method.

Calculated Molecular Weight : 19.6 kDa**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

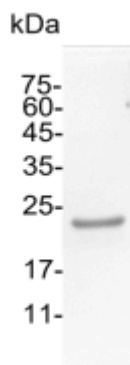
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of GMP human TPO