

TPO/MGDF/THPO, Human, Recombinant

货号：PCK366

产品信息

别名	Megakaryocyte colony-stimulating factor, c-MPL Ligand, MGDF, THPO
物种	Human
表达宿主	E.coli
序列信息	SPAPPACDLRVLSKLLRDSHVLHSRLSQCPEVHPLPTPVLLPAVDFSLGEWK TQMEETKAQDILGAVTLLEGVMAARGQLGPTCLSSLLGQLSGQVRLLLG ALQSLGTLPPQGRRTAHKDPNAIFLSFQHLLRGKVRFLMLVGGSTLCVR RAPPTTAVPSRTSLVLTNL with polyhistidine tag at the N-terminus.
检索号	P40225.1
分子量	19.6 kDa
标签	His-tag at the N-terminus
生物活性	Measure by its ability to induce proliferation in MO7e cells. The ED50 for this effect is <2 ng/mL. The specific activity of recombinant human TPO is > 5 x 10 ⁵ IU/mg.

产品特性

纯度	>95% as determined by SDS-PAGE. Ni-NTA chromatography.
内毒素	<0.01 EU per 1 µg of the protein by the LAL method.
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°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 -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4.



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

Thrombopoietin is a glycoprotein hormone produced mainly by the liver and the kidney that regulates the production of platelets by the bone marrow. The protein functions in the iodination of tyrosine residues in thyroglobulin and phenoxy-ester formation between pairs of iodinated tyrosines to generate the thyroid hormones, thyroxine and triiodothyronine. It stimulates the production and differentiation of megakaryocytes, the bone marrow cells that fragment into large numbers of platelets.

SDS-PAGE

