

Recombinant Human THPO Protein (Ser22-Leu195), N-His tagged, Animal-free, Carrier-free

Cat. No. THPO-289H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human THPO Protein (Ser22-Leu195) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ser22-Leu195
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.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 19.6 kDa. The protein migrates as 20 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.01 EU/μg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis.

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Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	THPO thrombopoietin [Homo sapiens (human)]
Official Symbol	THPO
Synonyms	THPO; thrombopoietin; ML; TPO; MGDF; THC9; CAMT2; MKCSF; MPLLG; THCYT1; thrombopoietin; MPL ligand; c-mpl ligand; megakaryocyte colony-stimulating factor; megakaryocyte growth and development factor; megakaryocyte stimulating factor; myeloproliferative leukemia virus oncogene ligand; prepro-thrombopoietin; thrombopoietin nirs
Gene ID	7066
mRNA Refseq	NM_000460
Protein Refseq	NP_000451

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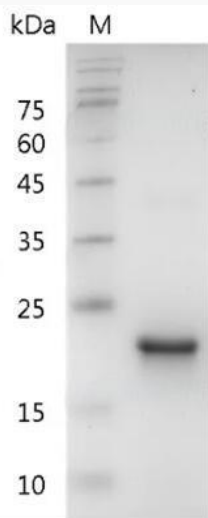
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MIM 600044

UniProt ID P40225

SDS-PAGE analysis
of recombinant
human TPO.



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