

GMP Recombinant Porcine THPO Protein, His-Tagged

Cat. No. THPO-01P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Porcine THPO Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Porcine
Source	E.coli
Description	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.
Form	Lyophilized
AA Sequence	APPRLICDSRVLERYILEAKEGENATMGCAESCSFSENITVPDTKVNIFYAWKRMEVQ QQAMEVWQGLALLSEAILQGQALLANSSQPSEALQLHVDKAVSGLRSLTSLLRALG AQKEAIPDPASPSSATPLRTFAVDTLCKLFRNYSNFLRGKLTLYTGEACRRRDR with h polyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE. Ni-NTA chromatography

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Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	THPO thrombopoietin [<i>Sus scrofa</i> (pig)]
Official Symbol	THPO
Synonyms	ML; MGDF
Gene ID	100620258
mRNA Refseq	XM_005670050.3
Protein Refseq	XP_005670107.1

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