

Active Recombinant Mouse TPO Protein

Cat. No. TPO-257M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse TPO Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Thrombopoietin (TPO) is a growth factor that is produced by liver and kidney tissues. TPO binds the TPO receptor (CD110) to promote megakaryocyte maturation, differentiation, and the production of platelets.
Bio-activity	MO7e cell proliferation, ≤ 5 ng/mL
Molecular Mass	Monomer, 18.7 kDa (175 aa)
AA Sequence	MSPVAPACDPRLNKLRLDSHLLHSRLSQCPDVDPLSIPVLLPAVDFSLGEWKTQTE QSKAQDILGAVSLLLEGVMAARGQLEPSCLSLLGQLSGQVRLLL GALQGLLGTQLP LQGRRTAHKDPNALFLSLQQLLRGKVRFLLLVEGPTLCVRRTLPTTAVPSSTSQLLTL NKF
Endotoxin	≤ 1 EUs/ μ g, Kinetic LAL
Purity	$\geq 95\%$, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed.

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	3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	Tpo thyroid peroxidase [Mus musculus (house mouse)]
Official Symbol	TPO
Synonyms	TPO; thyroid peroxidase;
Gene ID	22018
mRNA Refseq	NM_009417
Protein Refseq	NP_033443
UniProt ID	P40226

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