

Active Recombinant Human THPO, His tagged

Cat. No. THPO-861H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human THPO (NP_000451.1) precursor (Met 1-Gly 353), fused with a polyhistidine tag at the C-terminus, was produced in CHO Cells.
Species	Human
Source	CHO
ProteinLength	Met 1-Gly 353
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. The ED50 for this effect is typically 50-200 ng/ml.
Molecular Mass	The recombinant human THPO consists of 343 amino acids with the predicted molecular mass of 36.9 kDa. As a result of glycosylation, the apparent molecular mass of rhTHPO is approximately 60-80 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein
be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of
0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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