

# Recombinant Human Thrombopoietin

Catalog Number: **HZ-1248**

HEK293 expressed

Endotoxin-free

Animal-component free

## Technical Specifications

Species	human
Expression	HEK293
Activity	Typically $\leq 5$ ng/mL EC50
Purity	>95%
Endotoxin	< 1 EU/ $\mu$ g
Molecular Mass	80 to 85 kDa, monomer, glycosylated.
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	7066

## Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

## Stability and Storage

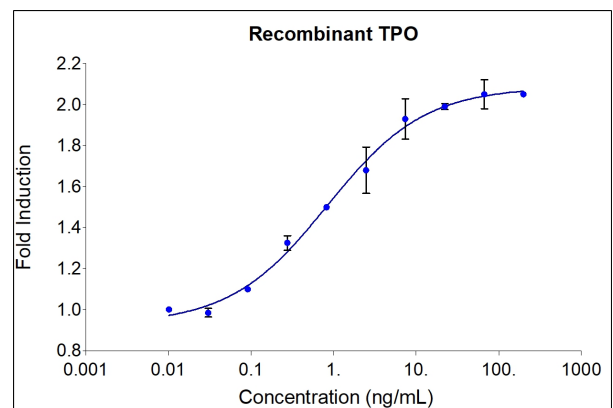
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

## Product Description

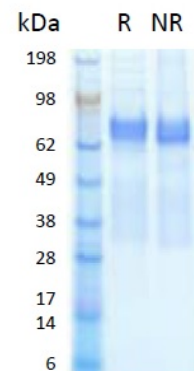
Animal-free Recombinant Human Thrombopoietin is expressed from human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 80 to 85 kDa. This cytokine is produced in a serum-free, chemically defined media. Production in human 293 cells offers authentic glycosylation, contributing to stability in cell growth media and other applications. C- terminal domain glycosylation is thought to be important for the secretion of Thrombopoietin from cells and for survival of Thrombopoietin in the circulation.

## Synonyms

MGDF, MKCSF, ML, MPLLG, THPO, Thrombopoietin



Animal free Recombinant human Thrombopoietin (Catalogue: HZ-1248) stimulates dose- dependent proliferation of MO7e cells. Cell proliferation was determined using Promega CellTiter96® Aqueous Non-Radioactive Cell Proliferation Assay. MO7e cells were treated with increasing concentration of TPO for 72 hours before addition of Promega CellTiter® Reagent. EC50 is less than 5 ng/mL as determined by a 4 parameter non-linear regression model.



The protein was resolved by SDS- polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

For technical support and original validation data for this product please contact:

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