

For Research Use Only

Recombinant Human Thrombopoietin



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Catalog Number:HZ-1248

HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

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

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

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

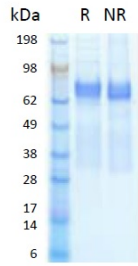
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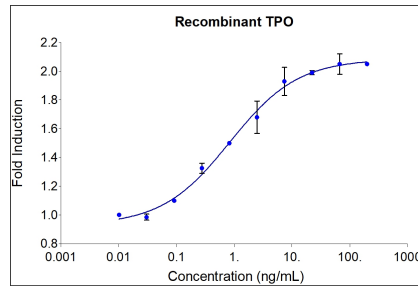
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Selected Validation Data



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



The activity was determined by the dose-dependent stimulation of the proliferation of MO7e cells using Promega CellTiter96® Aqueous Non-Radioactive Cell Proliferation Assay.