

## Recombinant Human TPO (Thrombopoietin)

### Product Description

- Endotoxin-free
- Animal-derived product free
- Lyophilized and Carrier Free (CF)
- Authentic Glycosylation
- Available in Bulk

Xeno-free TPO 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 TPO from cells and for survival of TPO in the circulation.

### Typical Specifications

<b>Species</b>	Human
<b>Expression</b>	HEK293 Cell Expressed
<b>Activity</b>	Typically $\leq 5$ ng/mL EC <sub>50</sub>
<b>Purity</b>	>95%
<b>Endotoxin</b>	< 1 EU/ $\mu$ g
<b>Molecular Mass</b>	80 to 85 kDa, monomer, glycosylated
<b>Formulation</b>	1x PBS

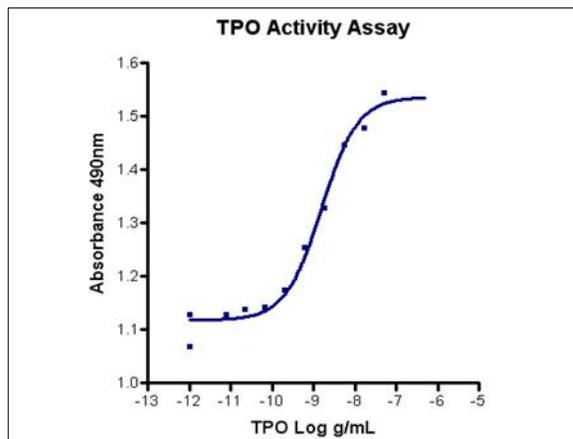
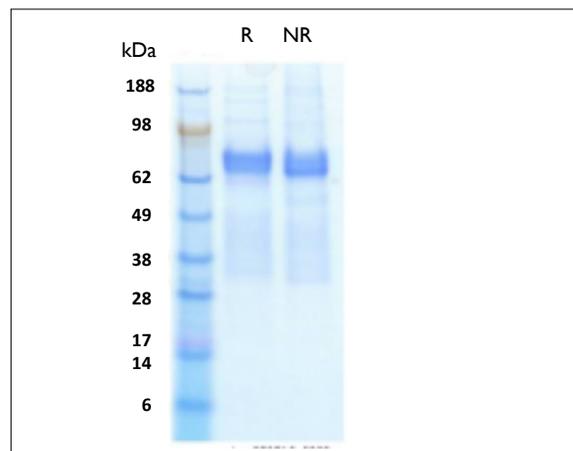
### Purity Confirmation

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

### Activity Assay

The activity was determined by the dose-dependent stimulation of the proliferation of MO7e cells.

 All HumaXpress<sup>®</sup> HumanKine<sup>™</sup> cytokines are animal-component-free and Xeno-free<sup>™</sup>



### 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).

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