

# Recombinant Human Thrombopoietin/TPO Protein (His Tag)

RPES0736

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES0736

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** < 0.01 EU per µg of the protein as determined by the LAL method.

**Synonyms:** C-mpl ligand, Megakaryocyte colony-stimulating factor, Megakaryocyte growth and development factor, Myeloproliferative leukemia virus oncogene ligand, THPO, Thrombopoietin

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** N-His & C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Measured in a cell proliferation assay using MO7E human megakaryocytic leukemic cells. The ED50 for this effect is 0.55 ng/ml.

**Calculated MW:** 37.3 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 70-90 kDa

**Reconstitution:** Please refer to the printed manual for detailed information. Measured in a cell proliferation

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

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**Accession:** P40225

**Source:** HEK293 Cells-derived Human Thrombopoietin, TPO protein Ser22-Gly353, with an N- terminal His & C-terminal His

**Sequence:** Ser22-Gly353

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.