

Recombinant human TPO (Active,Tag free)

- Cat. Number:** ck0028
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 22-353aa, Tag free, full length mature protein
- Swiss-Prot:** P40225
- Gene ID:** 7066
- Source:** Human cells derived
- Structure:** Glycosylated monomer
- Purity:** >95% by SDS-PAGE
- MW:** 80-85kDa
- Endotoxin Level:** <0.5EU/ug
- Formulation:** Lyophilized from a 0.2µm filtered solution in PBS without carrier protein
Animal and Xeno free
- Activity Assay:** The activity was measured by its ability to stimulate the proliferation of human Mo7e cells.
- Reconstitution:** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS containing 0.1% endotoxin-free recombinant human serum albumin.
- Stability & Storage:** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -80 °C under sterile conditions after reconstitution.
- Description:** Recombinant human thrombopoietin expressed in engineered human cells. TPO belongs to the EPO/TPO protein family. TPO protein is an 80 to 85 kDa monomeric glycoprotein. TPO is primarily produced in the liver and regulates the formation of megakaryocytes and platelets. C terminal domain glycosylation is thought to be important for the secretion of TPO from cells and for survival of TPO in the circulation.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.