

Recombinant human EPO (Active, Tag free)

- Cat. Number:** ck0027
- Quantity size:** 10µg / 50ug / 500µg
- Protein Sequence:** 28-193aa, Tag free, full length mature protein
- Swiss-Prot:** P01588
- Gene ID:** 2056
- Source:** Human cells derived
- Structure:** Glycosylated homodimer
- Purity:** >95% by SDS-PAGE
- MW:** 36kDa
- Endotoxin Level:** <0.5EU/ug
- Formulation:** Lyophilized from a 0.2µm filtered solution in PBS without carrier protein
Animal and Xeno free
- Activity Assay:** EPO activity is 79KU/mg. The activity was measured by its ability to stimulate the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).
- 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 erythropoietin(EPO) expressed in engineered human cells. EPO belongs to the EPO/TPO protein family. EPO is an acidic hormone mainly produced by kidneys. EPO promotes erythroid progenitor cell differentiation and initiates hemoglobin synthesis. EPO acts by binding to a specific erythropoietin receptor (EPOR) present on the red blood cell precursor in the bone marrow, stimulating these cells to transform into mature erythrocytes. The EPO sensitivity progressively increases with differentiation of immature progenitor cells.

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