

Recombinant Human EPO

Catalog	Unit
TBP0107-50UG	50 ug
TBP0107-500UG	500 ug

Description

Erythropoietin-Alpha (EPO-Alpha) is a recombinant form of the naturally occurring glycoprotein hormone erythropoietin (EPO). It is essential for the survival, proliferation, and differentiation of erythroid progenitor cells, which are precursors to red blood cells. EPO-Alpha binds to the erythropoietin receptor (EPOR) on these progenitor cells, activating signaling pathways that promote erythropoiesis, the process of red blood cell formation. EPO is primarily produced and released by the tubular and juxtatubular capillary endothelial cells, as well as the interstitial cells of the kidney. It is commonly used to treat anemia, particularly in patients with chronic kidney disease (CKD) and those undergoing chemotherapy, by stimulating the production of red blood cells.

Product Details

Alternative names: Erythropoietin, Recombinant Human Erythropoietin-Alpha

Molecular Weight: 20 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS (pH 7)

Purity: >95% by SDS-PAGE

Species: Human

Appearance: Lyophilized Powder

Storage Condition: Stable for at least one year from date of receipt at -70°C. 2°-8°C for one month, or at -20°C for six months.

For research use only