

Cynomolgus Erythropoietin / EPO (His Tag) recombinant protein



Catalog Number: 504477

General Information

Protein Construction

A DNA sequence encoding the cynomolgus Epo (XP_005549312.1) (Met1-Arg192) was expressed with a polyhistidine tag at the C-terminus.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells.

The ED₅₀ for this effect is typically 0.4-2 ng/mL.

Purity

> 95 % as determined by SDS-PAGE.

Endotoxin

<1.0 EU per µg protein as determined by the LAL method.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Ala 28

Molecular Mass

The recombinant cynomolgus Epo consists 176 amino acids and predicts a molecular mass of 19.7 kDa.

Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

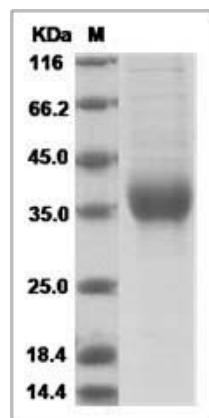
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Cynomolgus Erythropoietin / EPO Protein (His Tag) SDS-PAGE