

# 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 ED<sub>50</sub> 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

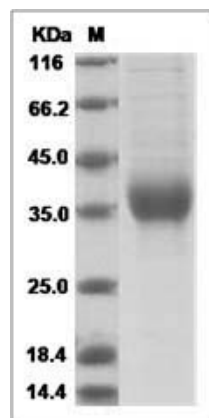
### Storage

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