

Cynomolgus Thrombopoietin/THPO (His Tag) recombinant protein



Catalog Number: 504571

General Information

Protein Construction

A DNA sequence encoding the Cynomolgus (Macaca fascicularis) THPO (Met 1-Gly 353) precursor was expressed, with a C-terminal polyhistidine tag.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Activity

Measured in a cell proliferation assay using MO7e human megakaryocytic leukemic cells. The ED₅₀ for this effect is typically 1-5 ng/ml.

Purity

> 86 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the 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

Ser 22

Molecular Mass

The recombinant cynomolgus THPO consists of 343 amino acids and has a calculated molecular mass of 36.8 kDa. The apparent molecular mass of the recombinant protein is approximately 70-80 kDa in SDS-PAGE under reducing conditions due to glycosylation.

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

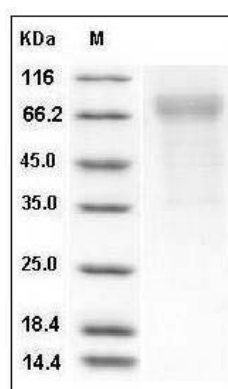
Storage

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 Thrombopoietin / THPO / TPO Protein (His Tag) SDS-PAGE