Cynomolgus RANKL/OPGL/TNFSF11 (CD254) (Fc Tag) recombinant protein

Catalog Number: 501572

General Information

Protein Construction

A DNA sequence encoding the cynomolgus TNFSF11 (G7PW41) (Gly136-Asp317) was expressed with the Fc region of human IgG1 at the N-terminus.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Activity

1. Immobilized Cynomolgus S4-Fc3L3-TNFSF11 at 10 μg/ml (100 μl/well) can bind biotinylated human TNFRSF11B-His (Cat:500115), The EC_{50} of biotinylated human TNFRSF11B-His (Cat:500115) is 7.94-18.52 ng/ml.
2. The bioactivity of hRANKL was determined by measuring the ability of hRANKL to induce TRAP activity in Raw 264.7 cells. The ED_{50} for this effect is typically 0.1-0.4 μg/mL.

Purity

> 85 % 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℃

Predicted N terminal

Glu

Molecular Mass

The recombinant cynomolgus TNFSF11 comprises 442 amino acids and has a calculated molecular mass of 48.9 KDa. The apparent molecular mass of the protein is approximately 55 KDa in SDS-PAGE.

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

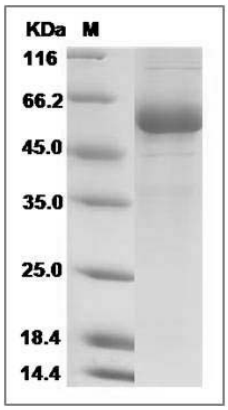
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 RANKL / OPGL / TNFSF11 Protein (Fc Tag) SDS-PAGE