Cynomolgus TNFSF12 (Fc Tag) recombinant protein

Catalog Number: 502405

General Information

Gene Name Synonym

Uncharacterized protein

Protein Construction

A DNA sequence encoding the cynomolgus TNFSF12 (F7HGN4) (Ser94-His249) was expressed with the Fc region of mouse IgG1 at the N-terminus. Cynomolgus and Human TNFSF12 sequences are identical.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Activity

1. Measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells. The ED_{50} for this effect is typically 2-8 ng/mL.
2. Immobilized Cynomolgus mFc-TNFSF12 at 10 μg/ml (100 μl/well) can bind human Fc-TNFRSF12A (Cat:502881), The EC_{50} of human Fc-TNFRSF12A (Cat:502881) is 0.07-0.15 μg/ml.

Purity

(72.2+25.9) % 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

Asp

Molecular Mass

The recombinant cynomolgus TNFSF12 is a disulfide-linked homodimer. The reduced monomer comprises 392 amino acids and has a calculated molecular mass of 43.8 KDa. The apparent molecular mass of it is approximately 34 and 47 KDa respectively 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

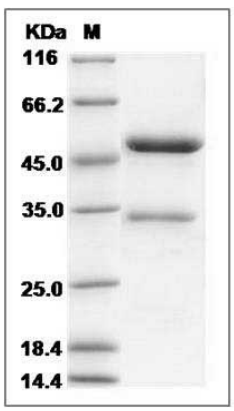
Storage

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 / Human TNFSF12 Protein (Fc Tag) SDS-PAGE