Human Osteoprotegerin/TNFRSF11B (His Tag) recombinant protein

Catalog Number: 500115

General Information

Gene Name Synonym

Osteoclastogenesis inhibitory factor; Osteoprotegerin

Protein Construction

A DNA sequence encoding the human TNFRSF11B (NP_002537.3) (Met 1-Leu 401) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to inhibit TRAIL mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED_{50} for this effect is typically 5-20 ng/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10 (Catalog # 10409-HNAE).
2. Measured by its binding ability in a functional ELISA. Immobilized human TNFRSF11B-His at 10 μg/ml (100 μl/well) can bind human Fc-TNFSF11 (Cat□11682-H01H) with a linear ranger of 3.125-200 ng/mL.

Purity

> 97 % 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 22

Molecular Mass

The secreted recombinant human TNFRSF11B comprises 391 amino acids and has a predicted molecular mass of 45.3 kDa. As a result of glycosylation, rhTNFRSF11B migrates as an approximately 55 kDa bnd in SDS-PAGE under reducing conditions.

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

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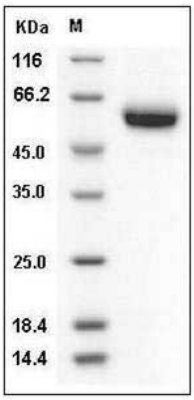

Human Osteoprotegerin / TNFRSF11B Protein (His Tag) SDS-PAGE