

Recombinant Mouse TNFRSF11B/Osteoprotegerin Protein

Catalog No.: RP01059 Recombinant

Sequence Information

Species Gene ID Swiss ProtMouse 18383 008712

Tags

C-hFc&His

Synonyms

TNFRSF11B;OCIF;OPG;Osteoprotegerin;TR1;TNFRSF11B

Product Information

Source

Purification

HEK293 cells

≥ 85 % as determined by SDS-

PAGE.

Calculated MW Observed MW

72.71 kDa 100 kDa

Endotoxin

 $< 0.1 \; \text{EU/}\mu\text{g}$ of the protein by LAL method.

Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Basic Information

Description

Recombinant Mouse TNFRSF11B/Osteoprotegerin Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Met1-Leu401) of mouse Osteoprotegerin/TNFRSF11B (Accession $\#NP_032790.3$) fused with an Fc, $6\times His$ tag at the C-terminus.

Bio-Activity

1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human TNFSF11 at 2 μ g/mL (100 μ L/well) can bind Recombinant Mouse TNFRSF11B with a linear range of 3-10 ng/mL.|2.Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED₅₀ for this effect is 0.13-0.54 ng/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

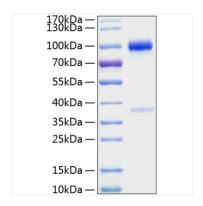
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

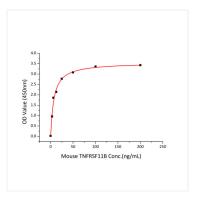
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

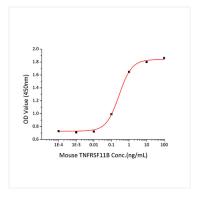
Validation Data



Recombinant Mouse TNFRSF11B/Osteoprotegerin Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human TNFSF11 at $2\mu g/mL$ ($100~\mu L/well$) can bind Recombinant Mouse TNFRSF11B with a linear range of 3-10 ng/mL.



Recombinant Mouse TNFRSF11B inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED $_{50}$ for this effect is 0.13-0.54 ng/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.