

RP01837

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Recombinant Mouse TNFSF11/RANKL/CD254 Protein

Catalog No.: RP01837

Recombinant

Sequence Information

| Species | Gene ID | Swiss Prot |
|--------------|---------|------------|
| HEK293 cells | 21943 | O35235 |

Tags

N-His

Synonyms

Tumor necrosis factor ligand superfamily member 11; Osteoclast differentiation factor; ODF; Osteoprotegerin ligand; OPGL; Receptor activator of nuclear factor kappa-B ligand; RANKL; TNF-related activation-induced cytokine; TRANCE; CD254; Cleaved into: Tumor necrosis factor ligand superfamily member 11; membrane form; Tumor necrosis factor ligand superfamily member 11; soluble form , Tnfsf11; Opgl; Rankl; Trance

Product Information

| Source | Purification |
|--------|--------------|
|--------|--------------|

Endotoxin

<0.1EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

RANKL (TNFSF11), a type II transmembrane protein, is receptor activator of NF-κB (RANK) ligand. RANKL is an activator of RANK. When binding to RANK, it induces the differentiation of monocyte/macrophage-lineage cells into osteoclasts and leads to osteoclast precursor maturation. RANKL is critical for osteoclasts maturation, bone modeling, and bone remodeling, as well as the development of lymph nodes (LNs).

Basic Information

Description

Recombinant Mouse TNFSF11/RANKL/CD254 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe139-Asp316) of Mouse TNFSF11/RANKL/CD254 (Accession #NP_035743.2) fused with a His tag at the N-terminus.


Bio-Activity

Measured by its ability to induce osteoclast differentiation of Raw 264.7 cells.

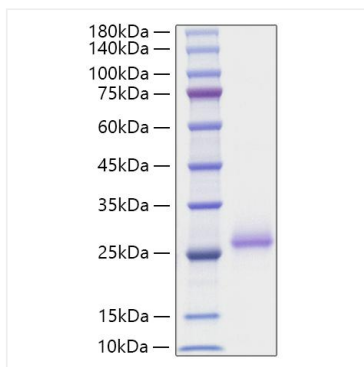
Storage

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.

Contact

 www.abclonal.com

Validation Data



Recombinant Mouse
TNFSF11/RANKL/CD254 Protein was
determined by SDS-PAGE with
Coomassie Blue, showing a band at
25-30 kDa.