

Human RANKL, His Tag, E. coli

Catalog Number LDG122PHE

Package 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce osteoclast differentiation in RAW264.7 cells. The ED₅₀ for this effect is <10 ng/mL.

Form

Lyophilized

Expression system

Escherichia coli

Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

Molecular weight

The protein has a calculated MW of 20.67 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

Background

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Background

Receptor activator of NF- κ B (RANK) ligand (RANKL) is type II transmembrane protein with an extracellular domain at the carboxy-terminus of TNF cytokine superfamily. RANKL is a 19.8 kDa protein containing 317 residues and high express in T cells and T cell rich organs, such as thymus and lymph nodes. RANKL-RANK (RANKL receptor) plays an important role in bone metabolism, dysregulation, and immune system

Uniprot ID

#O14788

Synonyms

Receptor activator of nuclear factor kappa-B ligand, RANKL, Osteoclast differentiation factor, ODF, Osteoprotegerin ligand, OPGL, TNF-related activation-induced cytokine, TRANCE, Tumor necrosis factor ligand superfamily member 11, TNFL11

Sequence Note

Glu143-Asp317

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

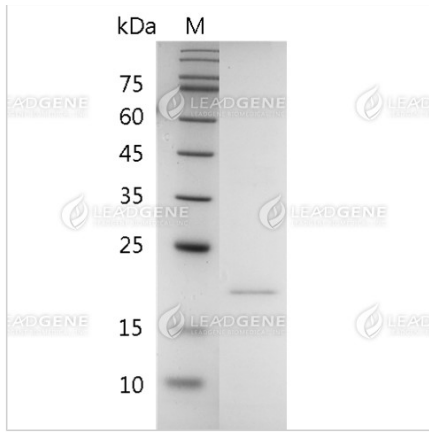
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



SDS-PAGE analysis of
recombinant human RANKL.

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