

Datasheet for ABIN7320666  
**RANKL Protein (His tag)**



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1 Image

## Overview

Quantity:	50 µg
Target:	RANKL (TNFSF11)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This RANKL protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse RANKL/TNFSF11 Protein (His Tag)(Active)
Sequence:	Ala73-Asp316
Characteristics:	Recombinant Mouse TNF-related Activation-induced Cytokine is produced by our Mammalian expression system and the target gene encoding Ala73-Asp316 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human OPG-Fc(Cat: PKSH033124) at 2µg/ml(100 µl/well) can bind Mouse RANKL-His. The ED50 of Mouse RANK L-His is 2.44ug/ml .

## Target Details

Target:	RANKL (TNFSF11)
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## Target Details

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Alternative Name: [RANKL/TNFSF11 \(TNFSF11 Products\)](#)

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Background: Background: Mouse tumor necrosis factor ligand superfamily member 11(Tnfsf11) is a member of the tumor necrosis factor (TNF) cytokine family. Tnfsf11 is widely expressed in cells including T cells and T cell rich organs, such as thymus and lymph nodes. This cytokine can bind to TNFRSF11B/OPG andTNFRSF11A/RANK. Tnfsf11 is involved in a number of fundamental biological processes such as acting as regulator of interactions between T-cells and dendritic cells, the regulation of the T-cell-dependent immune response and enhancing bone-resorption in humoral hypercalcemia of malignancy. It augments the ability of dendritic cells to stimulate naive T-cell proliferation.

Synonym: Tumor necrosis factor ligand superfamily member 11,Tnfsf11,Osteoclast differentiation factor,ODF,Osteoprotegerin ligand,OPGL,Receptor activator of nuclear factor kappa-B ligand,RANKL,TNF-related activation-induced cytokine,TRANCE,CD254

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Molecular Weight: 28.5 kDa

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UniProt: [O35235](#)

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Pathways: [NF-kappaB Signaling](#)

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: Please refer to the printed manual for detailed information.

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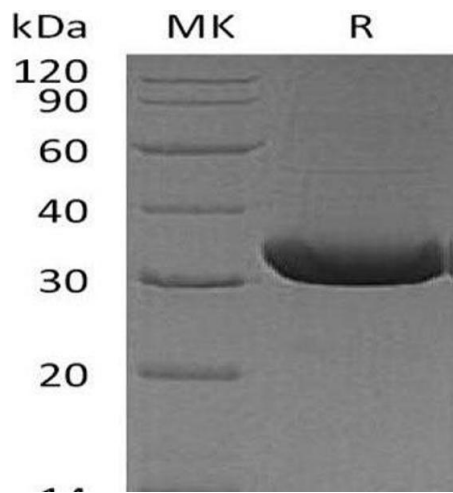
Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



**Western Blotting**

**Image 1.**