

Datasheet for ABIN7275517

RANKL Protein (AA 63-244) (His-DYKDDDDK Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	RANKL (TNFSF11)
Protein Characteristics:	AA 63-244
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RANKL protein is labelled with His-DYKDDDDK Tag.

Product Details

Purpose:	Human RANKL/TNFSF11/CD254 Protein
Sequence:	Gly63-Asp244
Characteristics:	Recombinant Human RANKL/TNFSF11/CD254 Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus. It contains Gly63-Asp244.
Purity:	> 90 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human RANKL, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human TNFRSF11A, hFc Tag with the EC50 of 10.0ng/ml determined by ELISA. See testing image for detail.

Target Details

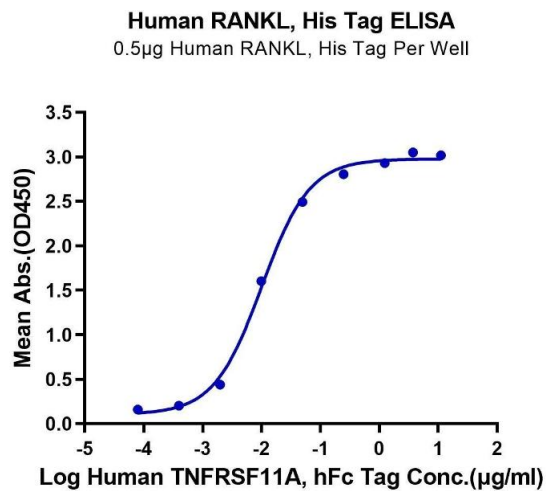
Target:	RANKL (TNFSF11)
Alternative Name:	RANKL (TNFSF11 Products)
Background:	Receptor activator of nuclear factor κ B (RANK) and its ligand (RANKL) have originally been described for their key roles in bone metabolism and the immune system. Subsequently, it has been shown that the RANKL-RANK system is critical in the formation of mammary epithelia in lactating females and the thermoregulation of the central nervous system. RANKL and RANK are under the tight control of the female sex hormones estradiol and progesterone.
Molecular Weight:	22.6 kDa. Due to glycosylation, the protein migrates to 35-60 kDa based on Tris-Bis PAGE result.
Pathways:	NF-κB Signaling

Application Details

Restrictions:	For Research Use only
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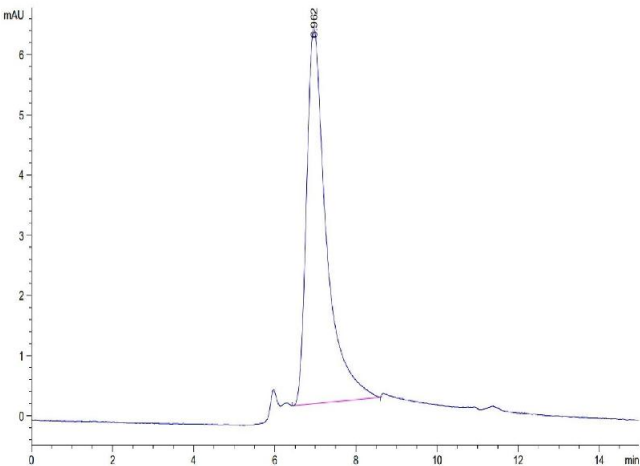
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



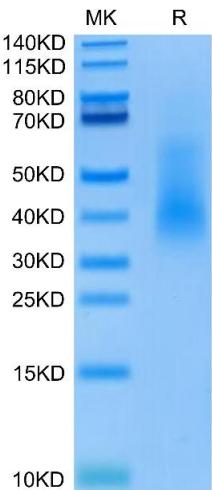
ELISA

Image 1. Immobilized Human RANKL, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human TNFRSF11A, hFc Tag with the EC₅₀ of 10.0 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human Rankl is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human Rankl on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .