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Datasheet for ABIN7275518

## RANKL Protein (AA 70-316) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	RANKL (TNFSF11)
Protein Characteristics:	AA 70-316
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RANKL protein is labelled with His tag.

#### Product Details

Purpose:	Mouse RANKL/TNFSF11/CD254 Protein
Sequence:	Tyr70-Asp316
Characteristics:	Recombinant Mouse RANKL/TNFSF11/CD254 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Tyr70-Asp316.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	RANKL (TNFSF11)
Alternative Name:	RANKL ( <a href="#">TNFSF11 Products</a> )

## Target Details

**Background:** Receptor activator of nuclear factor  $\kappa$ 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:** 28.97 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.

**Pathways:** [NF-kappaB Signaling](#)

## Application Details

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

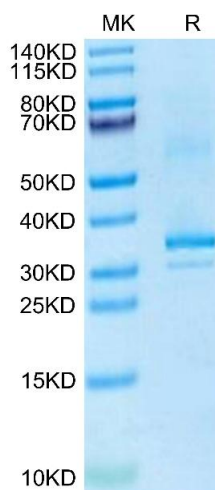
**Buffer:** Supplied as 0.22 $\mu$ m filtered solution in PBS ( pH 7.4).

**Storage:** -80 °C

**Storage Comment:** Valid for 12 months from date of receipt when stored at -80°C.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

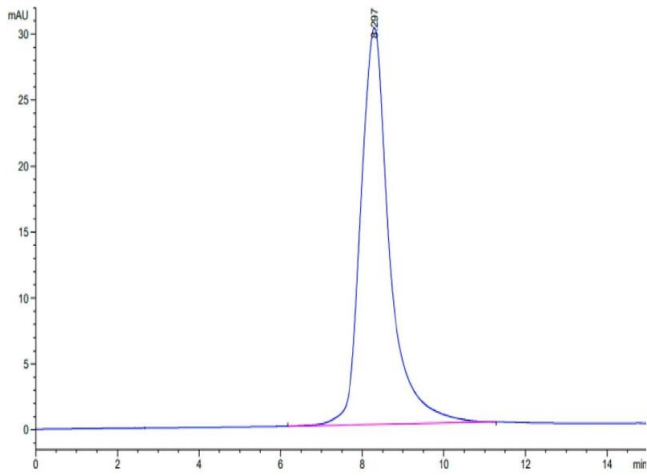
**Expiry Date:** 12 months

## Images



### SDS-PAGE

**Image 1.** Mouse RANKL on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 2.** The purity of Mouse RANKL is greater than 95 % as determined by SEC-HPLC.