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Datasheet for ABIN7275521

## TNFRSF11A Protein (AA 30-212) (Fc Tag)

### 3 Images

#### Overview

Quantity:	100 µg
Target:	TNFRSF11A
Protein Characteristics:	AA 30-212
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF11A protein is labelled with Fc Tag.

#### Product Details

Purpose:	Human TNFRSF11A/Rank Protein
Sequence:	Ile30-Pro212
Characteristics:	Recombinant Human TNFRSF11A/Rank Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Ile30-Pro212.
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.
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

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Target:	TNFRSF11A
Alternative Name:	TNFRSF11A ( <a href="#">TNFRSF11A Products</a> )
Background:	TNFRSF11A, also known as receptor activator of NF- $\kappa$ B (RANK), activates several signaling pathways, such as NF- $\kappa$ B, JNK, ERK, p38 $\alpha$ , and Akt/PKB. RANK/TNFRSF11A is a novel and frequent target for de novo methylation in gliomas, which affects apoptotic activity and focus formation thereby contributing to the molecular pathogenesis of gliomas.
Molecular Weight:	46.85 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">NF-kappaB Signaling</a>

## Application Details

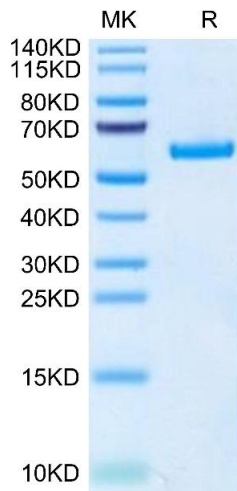
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Restrictions:	For Research Use only
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## Handling

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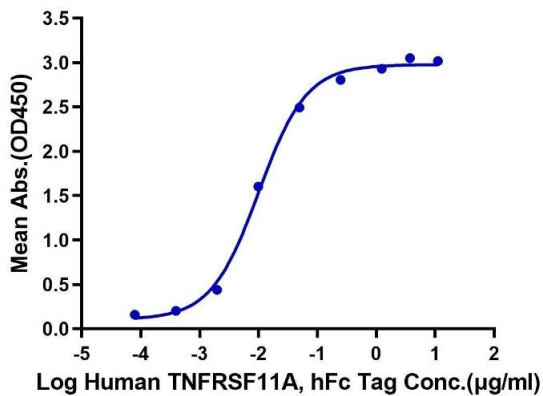
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu$ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 $^{\circ}$ C,-80 $^{\circ}$ C
Storage Comment:	-20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt.,-80 $^{\circ}$ C for 3-6 months after reconstitution.,2-8 $^{\circ}$ 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



**SDS-PAGE**

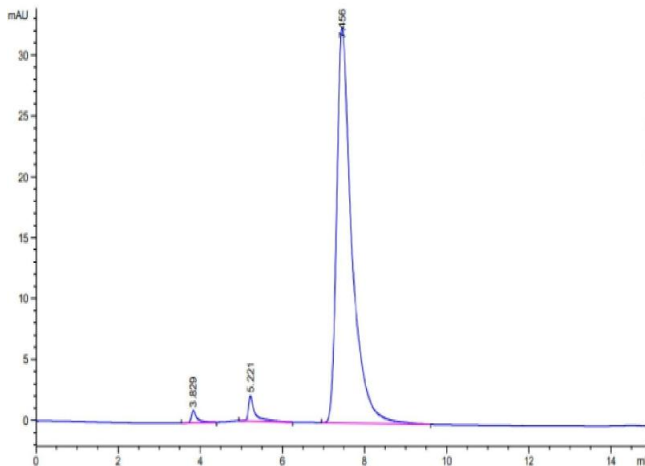
**Image 1.** Human TNFRSF11A on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

**Human TNFRSF11A, hFc Tag ELISA**  
0.5µg Human RANKL, His Tag Per Well



**ELISA**

**Image 2.** 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 3.** The purity of Human TNFRSF11A is greater than 95 % as determined by SEC-HPLC.