

Human TNFRSF11A/Rank Protein, Ultra Low Endotoxin

Cat. No. RNK-HM211-UL

Description

Source	Recombinant Human TNFRSF11A/Rank Protein is expressed from HEK293 with hFc (IgG1) tag at the C-Terminus. It contains Ile30-Pro212.
Accession	Q9Y6Q6-1
Molecular Weight	The protein has a predicted MW of 46.85 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

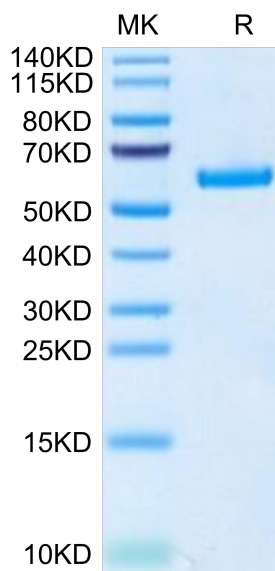
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

TNFRSF11A, also known as receptor activator of NF-κB (RANK), activates several signaling pathways, such as NF-κB, JNK, ERK, p38α, 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.

Assay Data

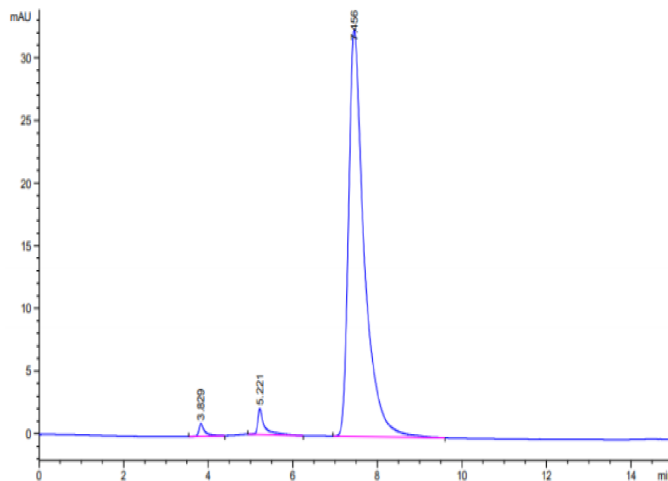
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

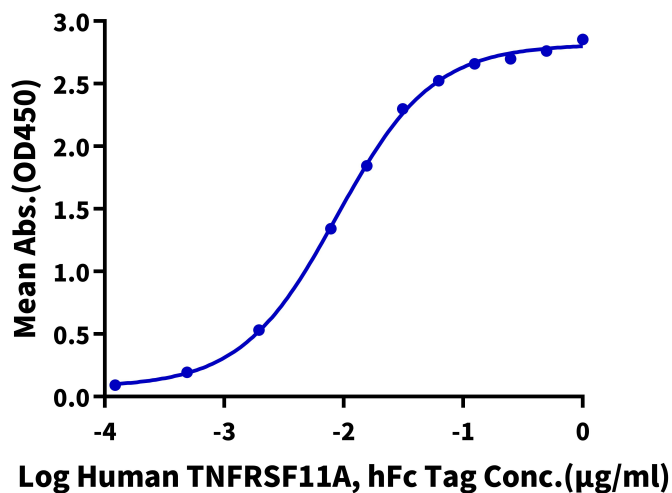


The purity of Human TNFRSF11A is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human TNFRSF11A, hFc Tag ELISA

0.2µg Human RANKL, No Tag Per Well



Immobilized Human RANKL, No Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human TNFRSF11A, hFc Tag with the EC₅₀ of 8.8ng/ml determined by ELISA.