



Synonym

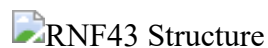
RING finger protein 43, RING-type E3 ubiquitin transferase RNF43

Source

Human RNF43, Fc Tag(RN3-H5256) is expressed from human 293 cells (HEK293). It contains AA Gln 44 - Tyr 197 (Accession # [Q68DV7-1](#)).

Predicted N-terminus: Gln 44

Molecular Characterization



This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 43.5 kDa. The protein migrates as 50-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

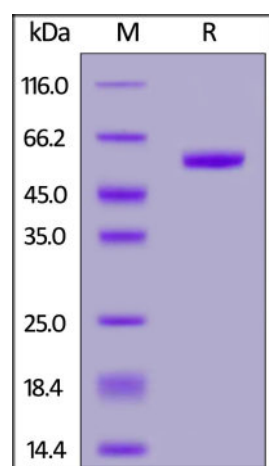
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

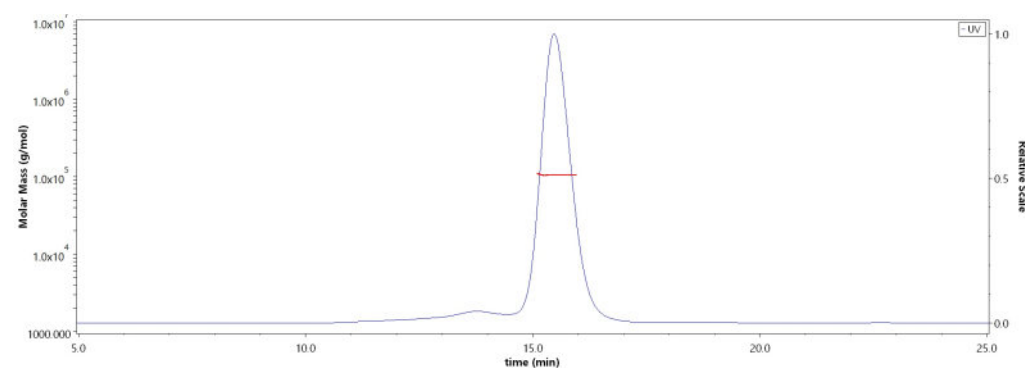
SDS-PAGE



Human RNF43, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA

SEC-MALS



The purity of Human RNF43, Fc Tag (Cat. No. RN3-H5256) is more than 85% and the molecular weight of this protein is around 100-115 kDa verified by SEC-MALS.

[Report](#)

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and more!

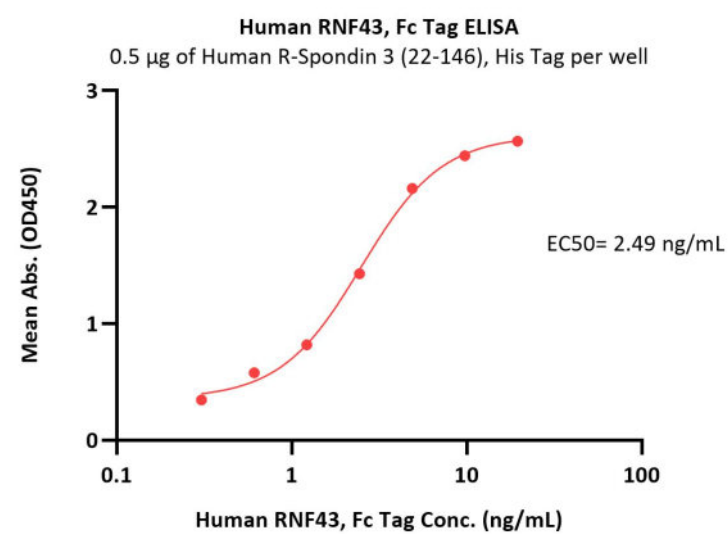
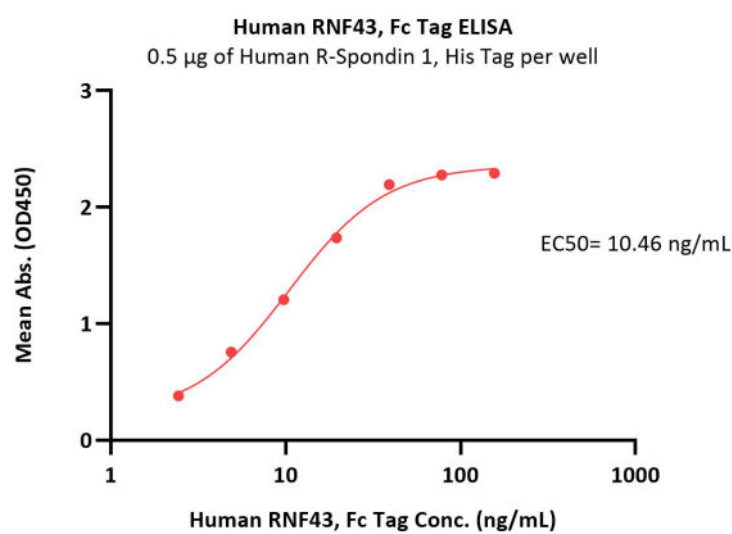


Human RNF43 Protein, Fc Tag (MALS verified)

Catalog # RN3-H5256

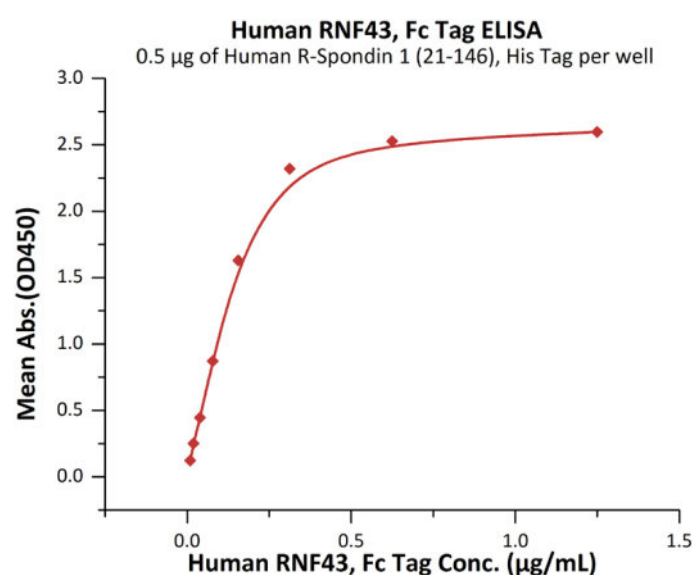


BIOSYSTEMS
Acro



Immobilized Human R-Spondin 1, His Tag (Cat. No. RS1-H4221) at 5 µg/mL (100 µL/well) can bind Human RNF43, Fc Tag (Cat. No. RN3-H5256) with a linear range of 2-20 ng/mL (QC tested).

Immobilized Human R-Spondin 3 (22-146), His Tag (Cat. No. RS6-H5222) at 5 µg/mL (100 µL/well) can bind Human RNF43, Fc Tag (Cat. No. RN3-H5256) with a linear range of 0.3-5 ng/mL (Routinely tested).



Immobilized Human R-Spondin 1 (21-146), His Tag, premium grade (Cat. No. RS6-H4220) at 5 µg/mL (100 µL/well) can bind Human RNF43, Fc Tag (Cat. No. RN3-H5256) with a linear range of 0.01-0.156 µg/mL (Routinely tested).

Background

E3 ubiquitin-protein ligase that acts as a negative regulator of the Wnt signaling pathway by mediating the ubiquitination, endocytosis and subsequent degradation of Wnt receptor complex components Frizzled. Acts on both canonical and non-canonical Wnt signaling pathway. Along with RSPO2 and ZNRF3, constitutes a master switch that governs limb specification (By similarity)

Clinical and Translational Updates

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