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Datasheet for ABIN7275519

RNF34 Protein (AA 24-197) (Fc Tag)

3 Images

Overview

Quantity:	100 µg
Target:	RNF34
Protein Characteristics:	AA 24-197
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF34 protein is labelled with Fc Tag.

Product Details

Purpose:	Human RNF43 Protein
Sequence:	Gly24-Tyr197
Characteristics:	Recombinant Human RNF43 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly24-Tyr197.
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 R spondin 1, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human RNF34, hFc Tag with the EC50 of 0.4µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	RNF34
Alternative Name:	RNF34 (RNF34 Products)
Background:	RNF43 (E3 ubiquitin-protein ligase RNF43 or RING-type E3 ubiquitin transferase RNF43) functions as a tumor suppressor, by exerting a predominant negative feedback mechanism in the Wnt/ β -catenin signaling pathway. RNF43 inhibits Wnt/beta-catenin signaling by ubiquitinating Frizzled receptor and targeting it to the lysosomal pathway for degradation.
Molecular Weight:	45.8 kDa. Due to glycosylation, the protein migrates to 55-60 kDa based on Tris-Bis PAGE result.

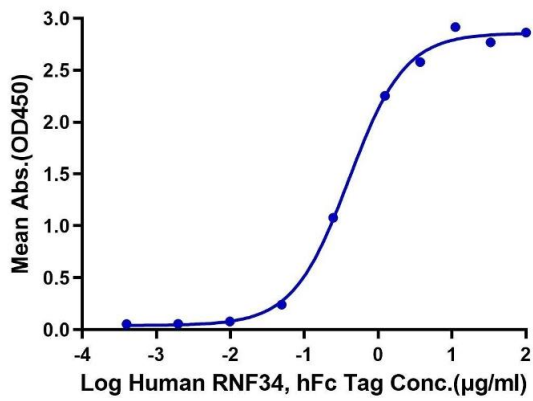
Application Details

Restrictions:	For Research Use only
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Handling

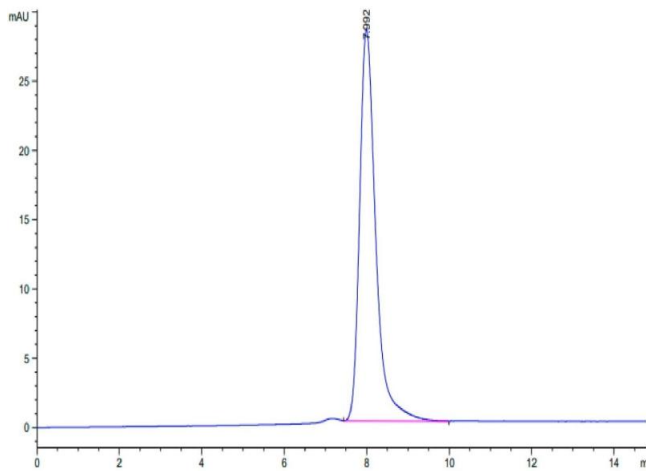
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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

Human RNF34, hFc Tag ELISA
0.5µg Human R spondin 1, His Tag Per Well



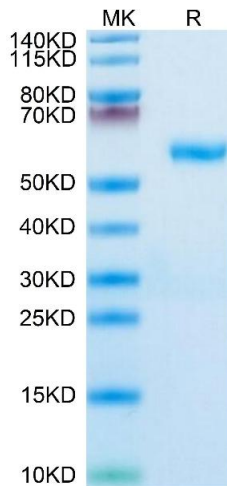
ELISA

Image 1. Immobilized Human R spondin 1, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Human RNF34, hFc Tag with the EC50 of 0.4 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human RNF43 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human RNF43 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .