Human RNF43 Protein

Cat. No. RNF-HM234

Description

Source	Recombinant Human RNF43 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Gly24-Tyr197.
Accession	Q68DV7-1
Molecular Weight	The protein has a predicted MW of 45.8 kDa. Due to glycosylation, the protein migrates to 55-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

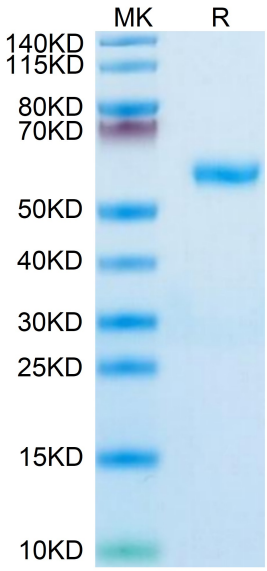
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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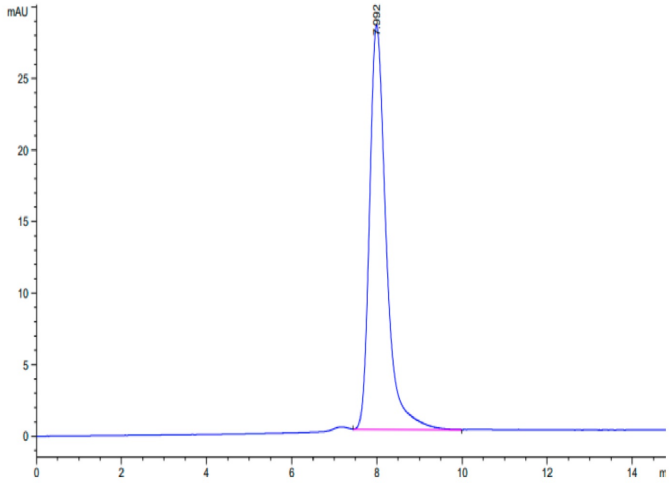
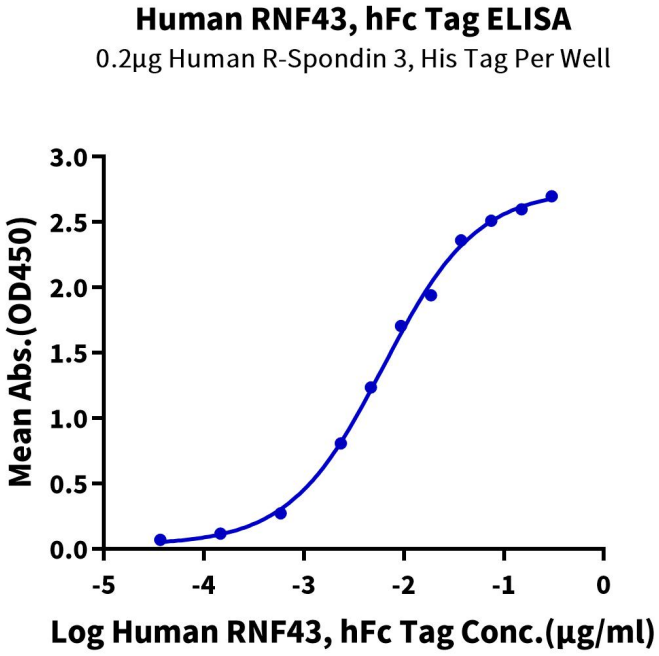
Assay Data



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

ELISA Data



Immobilized Human R-Spondin 3, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human RNF43, hFc Tag with the EC50 of 6.2ng/ml determined by ELISA (QC Test).

ELISA Data

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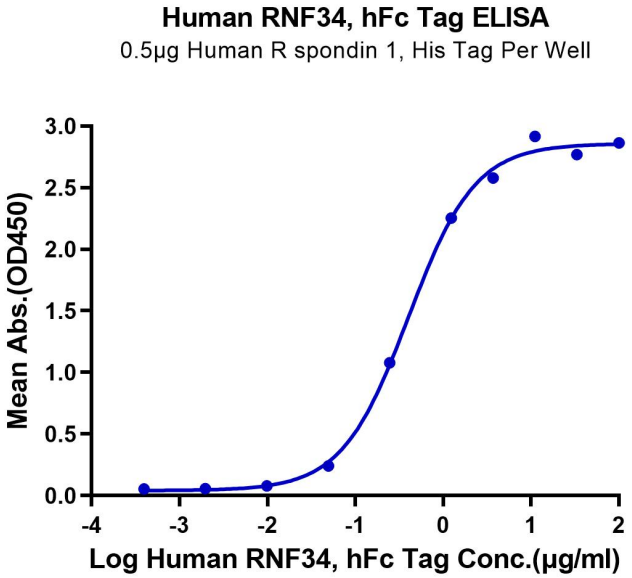
Assay Data



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.