Mouse RNF43 Protein

Cat. No. RNF-MM234

Description

Source	Recombinant Mouse RNF43 Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Gly24-Tyr197.
Accession	Q5NCP0
Molecular Weight	The protein has a predicted MW of 45.6 kDa. Due to glycosylation, the protein migrates to 53-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

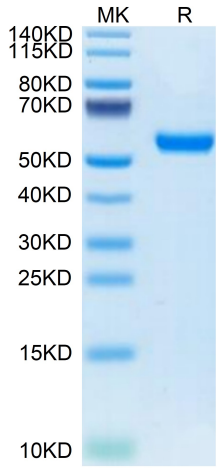
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state 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.

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

Tris-Bis PAGE



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

SEC-HPLC

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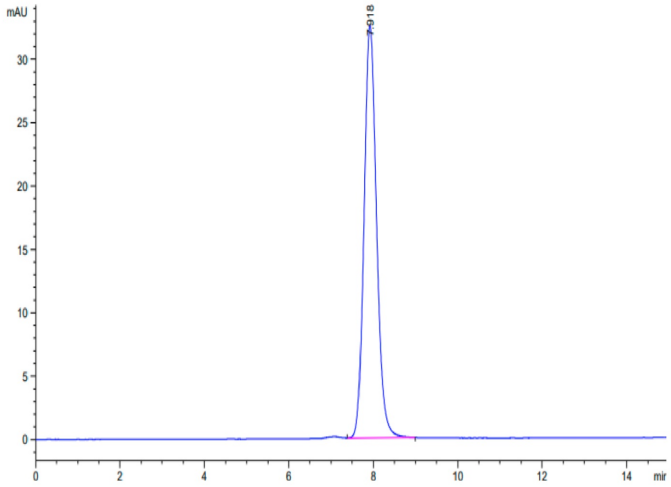
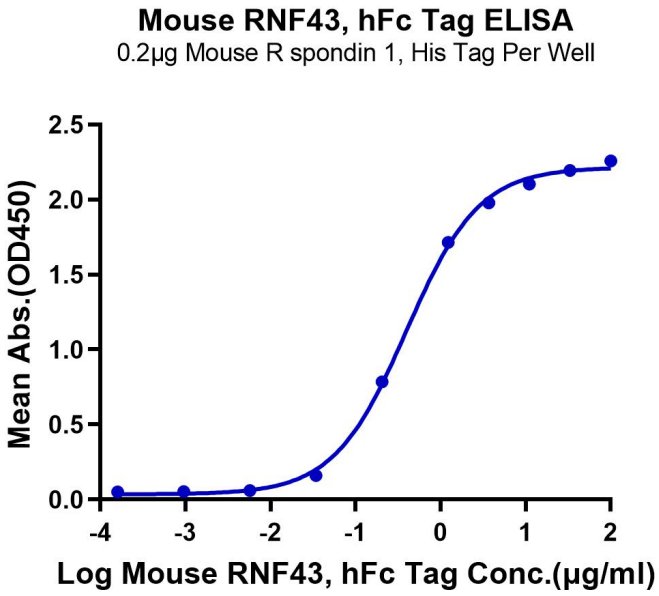
Assay Data



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

ELISA Data



Immobilized Mouse R spondin 1, His Tag at 2μg/ml (100μl/Well) on the plate. Dose response curve for Mouse RNF43, hFc Tag with the EC50 of 0.40μg/ml determined by ELISA.