Recombinant Human RNF43 Protein

Catalog No.: RP02777

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Sequence Information

Species
Human

Gene ID
54894

Swiss Prot
Q68DV7

Tags
C-hFC

Synonyms
URCC; SSPCS; RNF124

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.≥ 95 % as determined by HPLC.

Calculated MW
45.8 kDa

Observed MW
55-60 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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.

Basic Information

Description
Recombinant Human RNF43 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly24-Tyr197) of human RNF43 (Accession #NP_001292473.1) fused with a hFc tag at the C-terminus.

Activity
1.Immobilized Human R spondin 1, His Tag at 5 μg/mL (100μL/well) on the plate. Dose response curve for Human RNF34, hFc Tag with the EC_{50} of 0.4 μg /mL determined by ELISA.
2.Immobilized Human R-Spondin 3, His Tag at 1 μg/mL (100μL/well) on the plate. Dose response curve for Human RNF43, hFc Tag with the EC_{50} of 16.1 ng/mL determined by ELISA.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

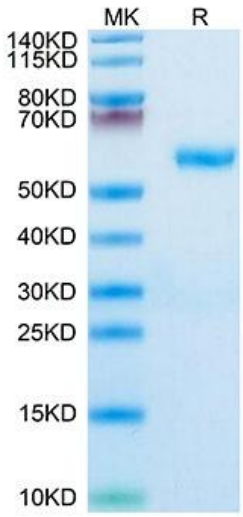
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

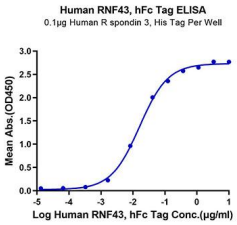
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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Please visit http://abclonal.com for a complete listing of recommended products.

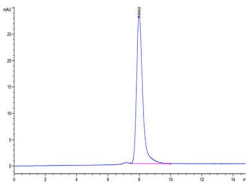
Validation Data



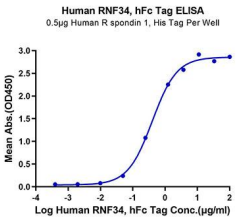
Recombinant Human RNF43 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human R-Spondin 3, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Human RNF43, hFc Tag with the EC_{50} of 16.1ng/ml determined by ELISA.



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



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 EC_{50} of 0.4μg/ml determined by ELISA.