

# Human RNF43 Protein (Fc Tag)

Catalog Number: 16108-H02H



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

RNF124; RNF43; URCC

### Protein Construction:

A DNA sequence encoding the human RNF43 (NP\_060233.3) (Met1-Tyr197) was expressed with the Fc region of human IgG1 at the C-terminus.

**Source:** Human

**Expression Host:** HEK293 Cells

## QC Testing

**Purity:** > 90 % as determined by SDS-PAGE

### Bio Activity:

Measured by its binding ability in a functional ELISA. Immobilized Human RSPO3 His (Cat:11185-H08H1) at 2 µg/ml (100 µl/well) can bind Human RNF43 hFc (Cat:16108-H02H), the EC<sub>50</sub> of Human RNF43 hFc is 3.0-12.0 ng/mL

### Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Gly 24

### Molecular Mass:

The recombinant human RNF43/Fc comprises 412 amino acids and has a predicted molecular mass of 45.8 kDa. The apparent molecular mass of the protein is approximately 52 kDa in SDS-PAGE under reducing conditions.

### Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

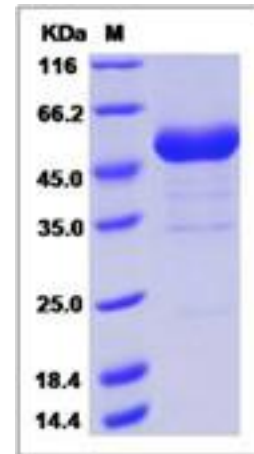
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## Protein Description

RNF43 mutations are frequently detected in colorectal cancer cells and lead to a loss of function of the ubiquitin E3 ligase. The outer mitochondrial membrane 34 (TOMM34) and ring finger protein 43 (RNF43) as highly expressed oncogenes in malignant colorectal tumors. RNF43 is a tumour suppressor gene that suppresses the Wnt-beta-catenin signalling pathway.

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