

General Information

Gene Name Synonym

RING finger protein 43

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.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human RSPO3-His (146) (Cat:503038) at 10 µg/mL (100 µL/well) can bind human RNF43-Fc. The EC₅₀ of human RNF43-Fc is 0.01-0.03µg/mL.

Purity

> 90 % as determined by SDS-PAGE

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.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

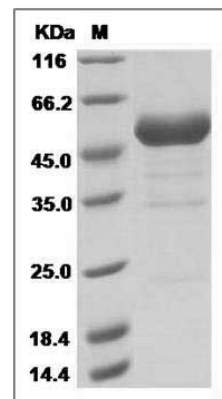
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human RNF43 Protein (Fc Tag) SDS-PAGE