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Datasheet for ABIN7504519  
**RNF43 Protein (AA 24-197) (His tag)**

### Overview

Quantity:	100 µg
Target:	RNF43
Protein Characteristics:	AA 24-197
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RNF43 protein is labelled with His tag.

### Product Details

Purpose:	Human RNF43 Protein
Sequence:	Gly24-Tyr197
Characteristics:	Recombinant Human RNF43 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gly24-Tyr197.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

### Target Details

Target:	RNF43
Alternative Name:	RNF43 ( <a href="#">RNF43 Products</a> )

## Target Details

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**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/ $\beta$ -catenin signaling pathway. RNF43 inhibits Wnt/beta-catenin signaling by ubiquitinating Frizzled receptor and targeting it to the lysosomal pathway for degradation.

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**Molecular Weight:** 20.14 kDa. Due to glycosylation, the protein migrates to 28-38 kDa based on Tris-Bis PAGE result.

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**Pathways:** [WNT Signaling](#)

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## Application Details

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Lyophilized

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**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100  $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.

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**Buffer:** Lyophilized from 0.22  $\mu$ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

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**Storage:** -20 °C,-80 °C

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**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months 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.

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**Expiry Date:** 12 months

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