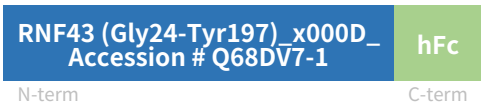


Rev02  
 Update: Aug,08,2025
**DATASHEET**

# RNF43 hFc Chimera, Human

Cat. No.: Z05791

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	 <p>RNF43 (Gly24-Tyr197)_x000D_ Accession # Q68DV7-1</p> <p>N-term hFc C-term</p>
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Human RSpondin 3, His Tag at 2µg/ml (100µl/well) on the plate can bind RNF43 hFc Chimera, Human. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	45.8 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 55-60 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Background

**Target 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.

**Synonyms :** E3 ubiquitin-protein ligase RNF43;RING finger protein 43;RING-type E3 ubiquitin transferase RNF43;RNF43

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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