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Datasheet for ABIN7491085 RSP01 Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	RSP01
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RSP01 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human RSP01 (21-146) protein with C-terminal human Fc tag
Specificity:	RSP01 (21-146) (Ser21-Ala146) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	RSP01
Alternative Name:	RSP01 (RSP01 Products)
Background:	<p>R-spondin-1, hRspo1</p> <p>Description: This gene encodes a secreted activator protein with two cysteine-rich, furin-like domains and one thrombospondin type 1 domain. The encoded protein is a ligand for leucine-rich repeat-containing G-protein coupled receptors (LGR proteins) and positively regulates the</p>

Target Details

Wnt signaling pathway. In mice, the protein induces the rapid onset of crypt cell proliferation and increases intestinal epithelial healing, providing a protective effect against chemotherapy-induced adverse effects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]

Molecular Weight: predicted molecular mass of 39.9 kDa after removal of the signal peptide. The apparent molecular mass of RSP01(21-146)-hFc is 35-55 kDa due to glycosylation.

UniProt: [Q2MKA7](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months