

## 32-17933: Recombinant Human RSP01(21-146) Protein, hFc Tag

**Uniprot ID :** Q2MKA7

**Alternative Name :** R-spondin-1, hRspo1

### Description

Molecular Characterization: RSP01(21-146)(Ser21-Ala146) hFc(Glu99-Ala330)

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

Description: Recombinant human RSP01(21-146) protein with C-terminal human Fc tag

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 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.

### Product Info

**Amount :** 100 µg / 50 µg

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** 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.