

## 32-17932: Recombinant Human RSPO1(21-263) Protein, His Tag

**Uniprot ID :** Q2MKA7

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

### Description

Molecular Characterization: RSPO1(21-263)(Ser21-Ala263) 6 $\tilde{\text{A}}$ —His tag

Molecular weight: The protein has a predicted molecular mass of 27.6 kDa after removal of the signal peptide. The apparent molecular mass of RSPO1(21-263)-His is approximately 35-55 kDa due to glycosylation.

Description: Recombinant human RSPO1(21-263) protein with C-terminal 6 $\tilde{\text{A}}$ —His 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  $\mu\text{g}$  / 50  $\mu\text{g}$

**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.