

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## HUMAN RSPO1(21-263) PROTEIN, HIS TAG

目录: 11567

产品名称: Human RSPO1(21-263) Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: R-spondin-1;hRspol

Target: RSPO1

UNIPROT ID: Q2MKA7

描述: Recombinant human RSPO1(21-263) protein with C-terminal 6xHis tag

背景: This gene encodes a secreted activator protein with two cysteine-rich, furin-like domains and one thrombospondin type I domain. The encoded protein is a ligand for leucine-rich repeat-containing Gprotein 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. [provided by RefSeq, Apr 2014]

## Species/Host: HEK293

**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.

Molecular Characterization: RSPO1(21-263)(Ser21-Ala263) 6×His tag 纯化:: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

储存和运输: 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.



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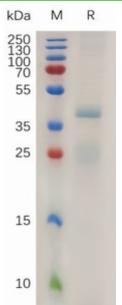


Figure 1. Human RSPO1(21-263) Protein, His Tag on SDS-PAGE under reducing condition.