

## Recombinant Human RSPO1 protein, For Organoid Culture

**Cat. No.** RSPO1-2943H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RSPO1 protein(Q2MKA7)(Ser21-Ala263) was expressed in HEK293.                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Ser21-Ala263                                                                                                                                                                                              |
| <b>Tag</b>              | Non                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4, 3% trehalose.                                                                                                                                                       |
| <b>Bio-activity</b>     | Measured by its ability to induce Topflash reporter activity in HEK293 reporter cells. The ED50 for this effect is 0.5-5.0ng/mL in the presence of 20 ng/mL Recombinant Wnt Surrogate Fc Chimera Protein. |
| <b>Molecular Mass</b>   | 25.6 kDa (monomer)                                                                                                                                                                                        |
| <b>Endotoxin</b>        | <0.10 EU/μg of the protein by the LAL method.                                                                                                                                                             |
| <b>Purity</b>           | >90%, by SDS-PAGE under reducing conditions.                                                                                                                                                              |
| <b>Storage</b>          | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below: To the date of expiration, -20°C to -80°C as                                      |

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supplied. 3 months, -20°C to -80°C under sterile conditions after reconstitution. 1 month, 2 to 8 °C under sterile conditions after reconstitution. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [RSPO1 R-spondin 1 \[ Homo sapiens \]](#)

**Official Symbol** [RSPO1](#)

**Synonyms**

RSPO1; R-spondin 1; R spondin homolog (Xenopus laevis); R-spondin-1; FLJ40906; RSPONDIN; R-spondin homolog; roof plate-specific spondin-1; RSPO; CRISTIN3; RP11-566C13.1;

**Gene ID** [284654](#)

**mRNA Refseq** [NM\\_001038633](#)

**Protein Refseq** [NP\\_001033722](#)

**MIM** [609595](#)

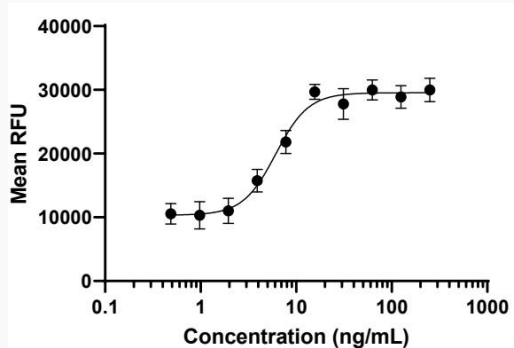
**UniProt ID** [Q2MKA7](#)

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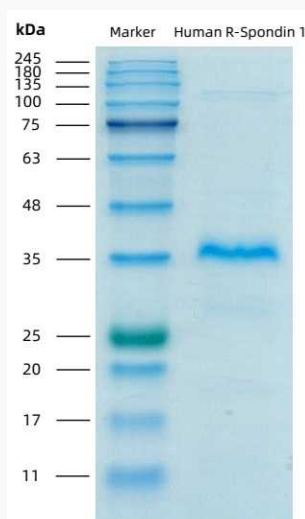
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## Activity



## SDS-PAGE



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