

RPCB1191

---

**Product Information**

|                     |          |                    |        |              |      |
|---------------------|----------|--------------------|--------|--------------|------|
| <b>Product SKU:</b> | RPCB1191 | <b>Gene ID:</b>    | 192199 | <b>Size:</b> | 10µg |
| <b>Tag:</b>         | C-His    | <b>Reactivity:</b> | Mouse  |              |      |

---

**Additional Information**

|                         |                    |                   |        |
|-------------------------|--------------------|-------------------|--------|
| <b>Expression Host:</b> | HEK293 cells       | <b>Swissprot:</b> | Q9Z132 |
| <b>Purity:</b>          | > 97% by SDS-PAGE. |                   |        |

---

**Protein Information**

**Background:** RSPO1 gene is a member of the R-spondin family. It encodes RSPO1 which is known as a secreted activator protein with two cystein-rich, furin-like domains and one thrombospondin type 1 domain. In mice, RSPO1 induces the rapid onset of crypt cell proliferation and increases intestinal epithelial healing, providing a protective effect against chemotherapy-induced adverse effects. This protein is an activator of the beta-catenin signaling cascade, leading to TCF-dependent gene activation. RSPO1 acts both in the canonical Wnt/beta-catenin-dependent pathway and in non-canonical Wnt signaling pathway, probably by acting as an inhibitor of ZNRF3, an important regulator of the Wnt signaling pathway. It also acts as a ligand for frizzled FZD8 and LRP6.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Mouse R-spondin-1/RSPO1 Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** < 0.01EU/µg

**Formulation:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

**Storage:** Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

**Contact Details | Dublin, Ireland**

**Email:** [techsupport@assaygenie.com](mailto:techsupport@assaygenie.com) | **Web:** [www.assaygenie.com](http://www.assaygenie.com)

Copyright © 2024 Assay Genie Ltd, All Rights Reserved. All information / detail is correct at time of going to print.