

Active Recombinant Human RSPO2 Protein, His-tagged

Cat. No. RSPO2-866H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RSPO2 (Accession # NP_848660) Gln22-Gly205, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Gln22-Gly205
Predicted N Terminal	No results obtained: Gln22 predicted
Form	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured by its ability to synergize with Recombinant Mouse Wnt-3a to stabilize beta-catenin protein levels in HEK293T human embryonic kidney cells as assessed with Western blot. This effect is detected at doses as low as 1 ng/mL in the presence of 20 ng/mL recombinant mouse Wnt-3a. Measured by its ability to induce Topflash reporter activity in HEK293T human embryonic kidney cells. The typical ED50 is 0.7-2.8 ng/mL in the presence of 5 ng/mL recombinant mouse Wnt-3a.
Molecular Mass	Recombinant Human RSPO2, His-tagged has a calculated MW of 22 kDa. In SDS-PAGE migrates as 25-29 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage

Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name [RSPO2 R-spondin 2 \[Homo sapiens \]](#)

Official Symbol RSPO2

Synonyms RSPO2; R-spondin 2; R spondin 2 homolog (Xenopus laevis); R-spondin-2; MGC35555; R-spondin 2 homolog; roof plate-specific spondin-2; CRISTIN2; MGC43342;

Gene ID [340419](#)

mRNA Refseq [NM_178565](#)

Protein Refseq [NP_848660](#)

MIM [610575](#)

UniProt ID Q6UXX9

Chromosome Location 8q23.1

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