

Active Recombinant Human RSPO2 protein, hFc-tagged

Cat. No. RSPO2-4013H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RSPO2 protein(Ala32-Gly205), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	32-205 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	Measured by its ability to induce Topflash reporter activity in HEK293T human embryonic kidney cells. The ED50 for this effect is 0.72-2.88 ng/mL in the presence of 5 ng/mL Recombinant Mouse Wnt-3a, corresponding to a specific activity of $3.47 \times 10^5 \sim 1.39 \times 10^6$ units/mg.
Molecular Mass	47.66 kDa
Endotoxin	< 0.01 EU/µg of the protein by LAL method
Purity	≥ 90 % as determined by SDS-PAGE.
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.

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Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

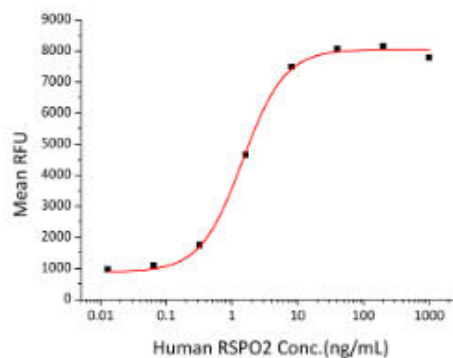
UniProt ID [Q6UXX9](#)

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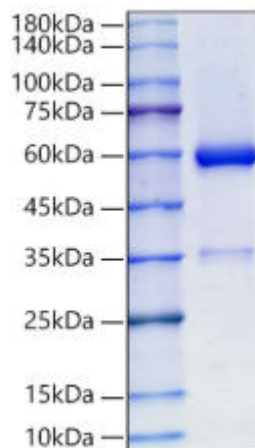
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Activity



SDS-PAGE



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