Active Recombinant Human RSPO1 protein, Fc-tagged

Cat. No. RSPO1-0660H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RSPO1 protein(Ser21-Ala146), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	21-146 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 52 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human LRP-6 (20-630), Mouse IgG2a Fc Tag at 5 μg/mL (100 μL/well) can bind Human R-Spondin 1 (21-146), Fc Tag with a linear range of 0.008-0.5 μg/mL. Immobilized Human R-Spondin 1 (21-146), Fc Tag at 5 μg/mL (100 μL/well) can bind Human LGR5, His Tag with a linear range of 0.02-0.313 μg/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminusThe protein has a calculated MW of 40.2 kDa. The protein migrates as 46-56 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ser21-Ala146
Endotoxin	Less than 1.0 EU per μg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. 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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