

Active Recombinant Human RSPO2 Protein, Fc-tagged

Cat. No. RSPO2-480H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human RSPO2 (Q6UXX9-1) N-terminal fragment (Met 1-Gly 205, 186 Leu/Pro) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-205 a.a.
Predicted N Terminal	Gln 22
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to induce activation of β catenin response in a Topflash Luciferase assay using HEK293T human embryonic kidney cells. The ED50 for this effect is typically 10-60 ng/mL in the presence of 5 ng/mL recombinant mouse Wnt3a.
Molecular Mass	The secreted recombinant human RSPO2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 425 amino acids and has a predicted molecular mass of 48.3 kDa. β The apparent molecular mass of rh RSPO2/Fc monomer is approximately 50 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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