

Recombinant Human RSPO1 Protein, SER21-ALA263, Tag Free, Biotinylated

Cat. No. RSPO1-214H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human R-Spondin1 protein was developed from HEK293.
Species	Human
Source	HEK293
ProteinLength	SER21-ALA263
Description	This gene encodes a secreted activator protein with two cysteine-rich, furin-like domains and one thrombospondin type 1 domain. The encoded protein is a ligand for leucine-rich repeat-containing G-protein coupled receptors (LGR proteins) and positively regulates the Wnt signaling pathway. In mice, the protein induces the rapid onset of crypt cell proliferation and increases intestinal epithelial healing, providing a protective effect against chemotherapy-induced adverse effects. Alternative splicing results in multiple transcript variants.
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).
Applications	ELISA, WB

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Notes	FOR RESEARCH USE ONLY (RUO).
Storage	Recombinant R-spondin1 can be stored in working aliquots at 2 to 8 centigrade for one month, or at -20 to -70 centigrade for 1 year. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilised from 0.2 µm filtered PBS solution, pH 7.2, 5% Trehalose.
Conjugation	Biotin
GENE INFORMATION	
Gene Name	RSPO1 R-spondin 1 [Homo sapiens (human)]
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