Active Recombinant Human RSPO1 Protein, His-tagged

Cat. No. RSPO1-2612H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human RSPO1 Protein(NP_001033722.1) (Met 1-Ala 263) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-263 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized human RSPO1 at 20 μg/ml (100 μl/well) can bind human LIMPII with a linear ranger of 32-800 ng/ml. 2. Measured by its binding ability in a functio+A1nal ELISA. Immobilized human RSPO1 at 20 μg/ml (100 μl/well) can bind mouse CD36 with a linear ranger of 6.4-800 ng/ml. 3. Measured by its ability to induce activation of response in a Topflash Luciferase assay using HEK293T human embryonic kidney cells. The ED50 for this effect is typically 0.05-0.5 μg/mL in the presence of 5 ng/mL recombinant mouse Wnt3a.
Molecular Mass	The secreted recombinant human RSPO1 comprises 254 amino acids with a predicted molecular mass of 28.2 kDa. As a result of glycosylation, rhRSPO1 migrates as an approximately 42 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per

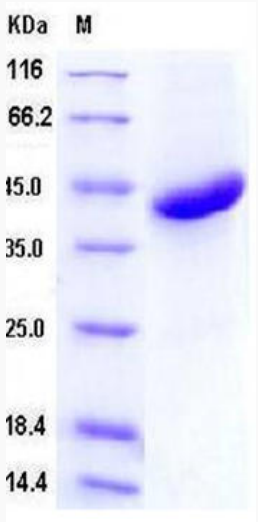
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	μg of the protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
protein Refseq-Weblink	http://www.ncbi.nlm.nih.gov/protein/NP_001033722.1
Unit ID	Q2MKA7
Unit ID-Weblink	https://www.uniprot.org/uniprotkb/Q2MKA7

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

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protein Refseq	NP_001033722
MIM	609595
SDS-PAGE	

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