

CHAMOT

Recombinant R-spondin 1 , Human , HEK293

CM181-5HP

CM181-20HP

CM181-100HP

CM181-500HP

CM181-1000HP



CHAMOT

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CONTENT

1 产品简介

2 产品组成

3 产品储存

4 产品使用

Recombinant Human R-Spondin 1, His-SUMO tag, HEK293

编号:	CM181-5HP CM181-20HP CM181-100HP CM181-500HP CM181-1000HP	规格:	5 µg 20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

产品简介

描述: R-spondin 1 (RSPO1, Roof plate-specific Spondin 1) is a cysteine-rich secreted glycoprotein that belongs to the R-Spondin family. Structurally, R-spondin 1 harbors an N-terminal signal peptide, two cysteine-rich furin-like (FU1-FU2) domains, a thrombospondin (TSP) domain, and a basic amino acid-rich (BR) C-terminal domain. R-spondin 1 acts as a ligand for the leucine-rich repeat-containing G-protein coupled receptor (LGR) family (LGR4/5/6), subsequent clearing negative regulators ZNRF3/RNF43 from the membrane, leading to the availability of Wnt receptor and activating Wnt/ -catenin signaling. The signal cascade is essential for regulating stem cell proliferation, embryonic development, and tissue homeostasis.

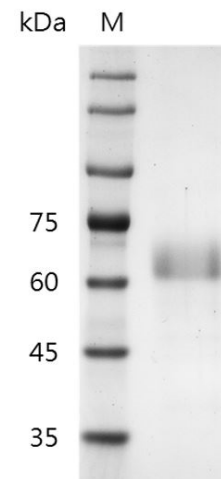
来源: HEK 293

纯度: >95% as determined by SDS-PAGE. Ni-NTA chromatography.

生物学活性 R-Spondin-1 enhances BMP-2-mediated differentiation of MC3T3-E1 cells. The ED₅₀ for this effect is 1-3 µg/mL.

内毒素检测: < 1 EU per 1 µg of the protein by the LAL method.

蛋白序列: A DNA sequence encoding Human R-Spondin 1 Protein (#Q2MKA7) (Ser21 - Ala263) was expressed with polyhistidine-SUMO tag at the N-terminus.



SDS-PAGE analysis of recombinant human R-Spondin 1

物理状态： 液体
浓度： 取决于批次

产品组成

成分： 1XPBS , pH7.4溶液

产品储存/运输

产品形式	储存温度	储存时间
原液	2°C至8°C	2周内
	-20°C至-80°C	6个月
稀释液	-20°C至-80°C	3到6个月

运输方式： 蓝冰

产品使用

- 1、开盖前，建议3000-3500rpm离心5min。
- 2、原液2 -8°C无菌保存不超过2周， -20°C至 -80°C无菌保存6个月。
- 3、如需稀释后冷冻保存，推荐使用无菌的含载体蛋白（如0.1%BSA、10%FBS 或5%HSA）的溶液进行稀释再分装保存， -20°C至 -80°C无菌保存3到6个月。无血清实验需求时，可更换为5%海藻糖溶液作为载体。避免反复冻融。

WB= Western Blot; IP= Immunoprecipitation; IF= Immunofluorescence; IHC= Immunohistochemistry;
FACS= Fluorescence activated Cell Sorting; FA= Functional Assay