

CHAMOT

**重组人R-脊椎蛋白3 /Recombinant R-spondin 3,
Human, Animal-Free**

CM201-5HP

CM201-20HP

CM201-100HP

CM201-500HP

CM201-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人R-脊椎蛋白3 /Recombinant R-spondin 3, Human, Animal-Free

产品编号	CM201-5HP	CM201-20HP	CM201-100HP	CM201-500HP	CM201-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述 R-Spondin 3 (RSPO3) is a secreted growth factor that enhances canonical Wnt/ β -catenin signaling through interaction with LGR4/5/6 receptors and inhibition of RNF43/ZNRF3-mediated receptor turnover. RSPO3 plays essential roles in stem cell maintenance, angiogenesis, vascular development, tissue regeneration, and embryonic morphogenesis. It is widely used in organoid culture systems to support stem cell proliferation and epithelial growth. Aberrant RSPO3-mediated Wnt signaling has also been implicated in cancer progression and tumor microenvironment regulation.

别称 R-Spondin 3, RSPO3, Roof plate-specific spondin-3, LGR-binding growth factor, PWTSR, THSD2, Protein with thrombospondin type 1 repeat, Thrombospondin type-1 domain-containing protein 2

蛋白编码 Q9BXY4

分子量 The protein has a calculated MW of 48.4 kDa. The protein migrates as 62-70 kDa under reducing condition (SDS-PAGE analysis).

表达系统 CHO

纯度 >90% as determined by SDS-PAGE.

生物活性 Testing in process

内毒素检测 <0.1 EU per 1 µg of the protein by the LAL method.

蛋白序列 A DNA sequence encoding Human R-Spondin 3 Protein(#Q9BXY4) (Gln22-His272) was expressed with polyhistidine-SUMO tag at the N-terminus.

产品形式 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

产品应用 Cell Culture

产品使用

1. Before opening, centrifuge at 3000 rpm for 5 mins.

2. Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H₂O to a concentration of 100-200 µg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

- Store at 2°C to 8°C for up to 1 week.

3. Extended Storage

- After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/mL.

- Prepare aliquots (≥20 µL).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

产品储存/运输

Lyophilized Protein: Store at -20°C for 1 year.

储存

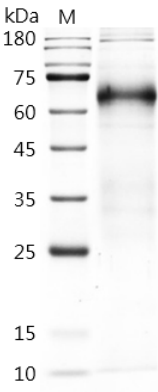
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

运输

Blue Ice

实验数据展示



For Research Use or Further Manufacturing Only

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