

RP03266

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Recombinant Human R-spondin-2/RSPO2 Protein

Catalog No.: RP03266

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	340419	Q6UXX9-1

Tags

C-hFc

Synonyms

R-spondin-2; Roof plate-specific
spondin-2; hRspo2; RSPO2;
UNQ9384/PRO34209

Product Information

Source	Purification
	> 90% by SDS- PAGE.

Endotoxin

< 0.01 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting
the protein. For long term storage, it is
recommended to add a carrier protein
or stabilizer (e.g. 0.1% BSA, 5% HSA,
10% FBS or 5% Trehalose), and aliquot
the reconstituted protein solution to
minimize free-thaw cycles.

Background

R-spondins are secretory proteins localized in the endoplasmic reticulum and Golgi bodies and are processed through the secretory pathway. The RSPO family comprises four proteins, i.e., R-spondin 1-4, which are important secreted regulators of the Wnt/尾-catenin and Wnt/PCP signaling pathway and govern various functions and are involved in vital cellular processes such as stem cell renewal, morphogenesis and, tumorigenesis. Among the R-spondin family, R-spondin-2, is a key protein that regulates ligand-dependent 尾-catenin signaling. And it has been reported to play a pivotal role in myogenesis, osteoblast differentiation, and limb specification during embryonic development.

Basic Information

Description

Recombinant Human R-spondin-2/RSPO2 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Ala32-Gly205) of human R-spondin-2 (Accession #Q6UXX9) fused with hFc tag at the C-terminus.

Bio-Activity

Measured by its ability to induce Topflash reporter activity in 293 human embryonic kidney cells. The typical ED₅₀ is 86 ng/mL in the presence of 3.24 ng/mL Recombinant Human Wnt3a Surrogate.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com