

# Recombinant Human R-spondin-3 Protein

Catalog No.: RP00439 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	84870	Q9BXY4

### Tags

C-Fc&His

### Synonyms

RSPO3;CRISTIN1;PWTSR;THSD2

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH7.2. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube 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 freeze-thaw cycles.

## Background

This protein belongs to the R-spondin family. The encoded protein plays a role in the regulation of Wnt (wingless-type MMTV integration site family)/beta-catenin and Wnt/planar cell polarity (PCP) signaling pathways, which are involved in development, cell growth and disease pathogenesis. Genome-wide association studies suggest a correlation of this gene with bone mineral density and risk of fracture. This gene may be involved in tumor development.

## Basic Information

### Description

Recombinant Human R-spondin-3 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Gln22-His272) of human R-spondin-3/RSPO3 (Accession #Q9BXY4) fused with an Fc, 6xHis tag at the C-terminus.

### Bio-Activity

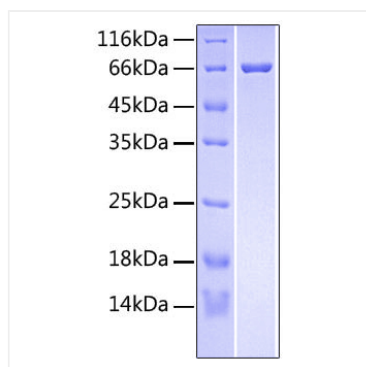
### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. 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

## Validation Data

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Recombinant protein Human R-spondin-3/RSPO3 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 70 kDa.