

Recombinant Human RSPO3 Protein, Fc/His-tagged

Cat. No. RSPO3-441H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RSPO3 fused with Fc/His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene 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.
Form	Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4
Molecular Mass	56.3kD
AA Sequence	QNASRGRRQRRMHPNVSQGCQGGCATCSDYNGCLSCKPRLFFALERIGMKQIGV CLSSCPSGYYGTRYPDINKCTKCKADCDCFNKNFCTKCKSGFYHLHGKCLDNCPE GLEANNHTMECVSIVHCEVSEWNPWSPCTKKGKTCGFKRGTTETRVREIIQHPSAKG NLCPPPTNETRKCTVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKD TLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSV LTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQ VSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQ

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QGNVFSCSVMHEALHNHYTQKSLSLSPGK HHHHHH

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name [RSPO3 R-spondin 3 \[Homo sapiens \]](#)

Official Symbol [RSPO3](#)

Synonyms RSPO3; R-spondin 3; R spondin 3 homolog (Xenopus laevis) , thrombospondin, type I, domain containing 2 , THSD2; R-spondin-3; FLJ14440; R-spondin 3 homolog; roof plate-specific spondin-3; protein with TSP type-1 repeat; thrombospondin, type I, domain containing 2; thrombospondin type-1 domain-containing protein 2; PWTSR; THSD2; CRISTIN1;

Gene ID [84870](#)

mRNA Refseq [NM_032784](#)

Protein Refseq [NP_116173](#)

MIM [610574](#)

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UniProt ID

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