

Active Recombinant Human RSPO3 Protein

Cat. No. RSPO3-442H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RSPO3 was expressed in CHO cells.
Species	Human
Source	CHO
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 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bio-activity	R-Spondin-3 enhances BMP-2 mediated differentiation of MC3T3-E1 cells.
Molecular Mass	26.9 kDa
AA Sequence	MHPNVSQGCQGGCATCSDYNGCLSCKPRLFFALERIGMKQIGVCLSSCPSGYYGT RYPDINKCTKCKADCDCFNKNFCTKCKSGFYHLGKCLDNCPEGLEANNHTMECV SIVHCEVSEWNPWSPCTKKGKTCGFKRGTTETRVREIIQHPSAKGNLCPPTNETRKC TVQRKKKCQKGERGKKGRERKRKKPNKGESKEAIPDSKSLESSKEIQRENKQQQ KKRKVQDKQKSVSVSTVH

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Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Resuspend the protein in the desired concentration in proper buffer
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
UniProt ID	Q9BXY4

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