

Recombinant Human RSPO3 protein, His & T7-tagged

Cat. No. RSPO3-1946H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RSPO3 aa. (Gln22~His272 (Accession # Q9BXY4)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln22~His272
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.0kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.5

GENE INFORMATION

Gene Name	RSPO3 R-spondin 3 [Homo sapiens (human)]
Official Symbol	RSPO3
Synonyms	RSPO3; R-spondin 3; PWTSR; THSD2; CRISTIN1; R-spondin-3; R-spondin 3 homolog; protein with TSP type-1 repeat; roof plate-specific spondin-3; thrombospondin type-1 domain-containing protein 2; thrombospondin, type I, domain containing 2
Gene ID	84870
mRNA Refseq	NM_032784.4
Protein Refseq	NP_116173.2

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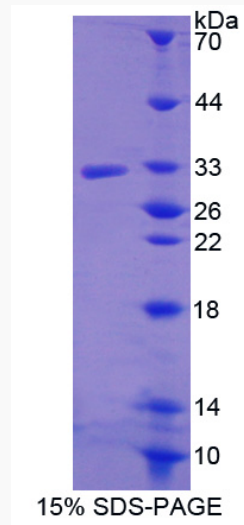
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UniProt ID

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SDS-PAGE



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