

## Active Recombinant Human RSPO2 Protein

Cat. No. RSPO2-171H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human RSPO2 was expressed in CHO cells.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	This gene encodes a member of the R-spondin family of proteins. These proteins are secreted ligands of leucine-rich repeat containing G protein-coupled receptors that enhance Wnt signaling through the inhibition of ubiquitin E3 ligases. A chromosomal translocation including this locus that results in the formation of a gene fusion has been identified in multiple human cancers. Alternative splicing results in multiple transcript variants.
<b>Form</b>	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
<b>Bio-activity</b>	R-Spondin-2 enhances BMP-2 mediated differentiation of MC3T3-E1 cells.
<b>Molecular Mass</b>	24.4 kDa
<b>AA Sequence</b>	ASYVSNPICKGCLSCSKDNGCSRCQQKLFFFLRREGMRQYGECLHSCPSGYYGHR APDMNRCARCRIENCDCFSKDFCTKCKVGFYLRGRGCFDECPDGFAPLEETMEC VEGCEVGHWSEWGTCSRNNRTCGFKWGLETRTRQIVKKPKVDILTILCPTIAESRRCK MTMRHCPGGKRTPKAKEKRNKKKKRKLIERAQEQHSVFLATDRANQ

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

## GENE INFORMATION

<b>Gene Name</b>	RSPO2 R-spondin 2 [ Homo sapiens ]
<b>Official Symbol</b>	RSPO2
<b>Synonyms</b>	RSPO2; R-spondin 2; R spondin 2 homolog (Xenopus laevis); R-spondin-2; MGC35555; R-spondin 2 homolog; roof plate-specific spondin-2; CRISTIN2; MGC43342;
<b>Gene ID</b>	340419
<b>mRNA Refseq</b>	NM_178565
<b>Protein Refseq</b>	NP_848660
<b>MIM</b>	610575
<b>UniProt ID</b>	Q6UXX9

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