

Active Recombinant Human RSPO2 Protein

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

SPECIFICATION

Product Overview	Recombinant Human RSPO2 was expressed in CHO cells.
Species	Human
Source	CHO
Description	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.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bio-activity	R-Spondin-2 enhances BMP-2 mediated differentiation of MC3T3-E1 cells.
Molecular Mass	24.4 kDa
AA Sequence	ASYVSNPICKGCLSCSKDNGCSRCQQKLFFFLRREGMRQYGECLHSCPSGYYGHR APDMNRCARCRIENCDSCFSKDFCTKCKVGFYLRGRCFDECPDGFAPLEETMEC VEGCEVGHWSEWGTCSRNNRTCGFKWGLETTRTRQIVKKPKVDITLCPTIAESRRCK MTMRHCPGGKRTPKAKEKRNKKKKRKLIERAQEQHSVFLATDRANQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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	RSPO2 R-spondin 2 [Homo sapiens]
Official Symbol	RSPO2
Synonyms	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;
Gene ID	340419
mRNA Refseq	NM_178565
Protein Refseq	NP_848660
MIM	610575
UniProt ID	Q6UXX9

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