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Datasheet for ABIN1880625 R-Spondin 3 Protein (RSP03) (AA 22-272) (Fc Tag,His tag)



Overview

Quantity:	50 µg
Target:	R-Spondin 3 (RSPO3)
Protein Characteristics:	AA 22-272
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This R-Spondin 3 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Recombinant Human R-Spondin-3/RSPO3 (C-Fc-6His)
Sequence:	QNASRGRRQR RMHPNVSQGC QGGCATCSDY NGCLSCKPRL FFALERIGMK QIGVCLSSCP
	SGYYGTRYPD INKCTKCKAD CDTCFNKNFC TKCKSGFYLH LGKCLDNCPE GLEANNHTME
	CVSIVHCEVS EWNPWSPCTK KGKTCGFKRG TETRVREIIQ HPSAKGNLCP PTNETRKCTV
	QRKKCQKGER GKKGRERKRK KPNKGESKEA IPDSKSLESS KEIPEQRENK QQQKKRKVQD
	KQKSVSVSTV HVDDIEGRMD EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR
	TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN
	GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR EEMTKNQVSL TCLVKGFYPS
	DIAVEWESNG QPENNYKTTP PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH
	YTQKSLSLSP GKHHHHHH
Characteristics:	Recombinant Human R-spondin-3/RSPO3 is produced by our mammalian expression system in
	human cells. The target protein is expressed with sequence (Gln22-Ala201) of Human RSPO3
	fused with a FC-6His tag at the C-terminus.

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Product Details	
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test
Target Details	
Target:	R-Spondin 3 (RSPO3)
Alternative Name:	R-Spondin-3/RSP03 (RSP03 Products)
Sub Type:	Fusionprotein
Background:	 R-spondin-3 (RSPO3), also known as Protein with TSP type-1 repeat, Roof plate-specific spondin-3, Thrombospondin type-1 domain-containing protein 2, PWTSR, THSD2 and CRISTIN1, is a member of the thrombospondin type 1 repeat supergene family. RSPO3 is a secreted protein and widely expressed in many tissues. RSPO3 contains two Furin-like repeats which have been found in a variety of eukaryotic proteins involved in the mechanism of signal transduction by receptor tyrosine kinases, and one TSP type-1 domain, RSPO3 founctions as a activator of the beta-catenin signaling cascade, leading to TCF-dependent gene activation. Otherwise, RSPO3 may negatively regulate the TGF-beta pathway. Alternative Names: R-spondin-3,RSPO3,Protein with TSP type-1 repeat, Roof plate-specific spondin-3, Thrombospondin type-1 domain-containing protein 2, PWTSR, THSD2, CRISTIN1
Molecular Weight:	56.3 kDa
UniProt:	Q9BXY4
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

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Handling

Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months